

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13730	44098	A	13810	80	952	RPGIVALNAILPLSRTRQSKPTR LKKRAIANCAPTWKKRFVALV YRTA*RFPSITLSVAVT*PASAK NKAIKMTQKIEQSQRQERVAA WNRRAECDLAAFQNSPKQTYQ AEKARDRKLCLANLEEAIRRSGL QDGMTVSFHHAFRGGDLTVN MVMDVIAKMGFKNLTLASSSL SDCHAPLVEHIRQGVVTRIYTS GLRGPLAEEISRAYCADSHHGP FAMVNNMTDLTAQEPAWQTR DHLDDPVIGELRNRFPGDAFTV QATRTGVPVWIKREQLLEV GDFLKKLPKPYVMLFDLHGMDE RLRTHREGLPAADFSVFYHLISI DRNRDIMLKVALAENDLHVPT FTKLFPNANWYERETWDLFGIT FDGHPNLRWIP
13731	44099	A	13811	92	735	RLLRPLQPRSSVLPGLTTFHAS STSETRQSKPTRLKKRAIANCA PTWKKRFVALVYRTA*RFPSIT LSVAVT*PCVNIITIGCQVKT VTIATAQIRFTRFNHFSRFQYFR NSPKQTYQAEKARDRKLCLANL EEAIRRSGLQDGMTVSFHHAFR GGDLTVNMVMDVIAKMGFKN LTLASSSLSDCHAPLVEHIRQG VVTRIYTSGLRGPLAEEISRGLL AEPVQIHSHGGRVHLVQNGEL NIDVAFLGVPCDEFGNANGYT GKACCGSLGYAIVDADNAKQV VMLTEELLPYTDNPEA
13732	44100	A	13812	1	1113	
13733	44101	A	13813	5121	6228	LRRDSGRLRSCWHPRSPTSMGS LGQREDLQDEDRNSGADPGQR GRCSIHLEGPGQPCQLQRAVQG EGDPVLAKEEIQDQCHPHGQV QLLLVPAAPVRAVPPRVQPVL PHHHHPAELSGIREE*GNQND AEN*TISTTRTGSGLSSR*M/SILP LSRTRQSKPTRLKKRAIANCAP TWKKRFVALVYRTA*RFPSITL SVAVT*PYWSGAPGGPCRRPYC HFRHRGARGSGAPGDGGEAPP AAAFLLGGDVGFGL
13734	44102	A	13814	56	196	CRGDGGKLIQCQRRMGI*PCG* LRQRKAELFQHLPLC*FWRPEI GTVCSGSIDNGSDRLRR
13735	44103	B	13815	64	2373	
13736	44104	A	13816	3	403	
13737	44105	B	13817	55	1040	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13738	44106	A	13818	587	1533	VLLTAKFFPSMYSPIKTAGGPA ST*VL*MIISIDAEKAFDKIHQPF MLKALNKSENKIPRNPTYNGCE GPLQGELQTTAQGNKRGYKQT QQHDMHMSTKNQYHENGHTA QGMKGITQPSAFIPTAESNSFQP QVKTLPSPIDAKQQLQRKIQKK QQEQKLQSPPLPGESAACKSESA TSNGVTNLPNGNPSILSPQPIGIV VAAVPSPIPVQRTRQLVTSPSP MSSSDGKVLPLNVQSHQNCW WTRFNMSSLNVVKMTTISLTPS NSNTPLKHSASFISATGTTEESR SVPQIKNGSVVSLQSPGSRSSSA GGTSAVEVKVEPETSSDEHPVQ CQENSDEAKAPQTPSALLGQKS NTDGALQKPSNEGVIEIKATKE RRSSPATEQSWMENVFEEQREE GFRRSNHSQIREDSQTKGKEEK RLKELMELKTKVRELREECRSL RSRCDQLEERV SAMDDENEM KREGNFREKRIKRNEQSLQEIW DYVKRPNLRLIGVPESDGENGT KLENTLQDIIQENFPNLARQANI QIQEIQRTP
13739	44107	A	13819	590	817	
13740	44108	A	13820	107	410	KGRNIQLNGPSSRVSLWRSlyf LNLNTGLPC*IGEVLLDNILQSV FQLGSILPITFRYTNQT*IWSFHI VPYFLEALLISFYSFFSKLPFSLH FIHFIFHR
13741	44109	B	13821	1	3735	
13742	44110	A	13822	922	1137	HFFLHFNFGESDNYVSWSFSSR GVSLWRSlyfLNLNVGLPC*IG EVLLDNILQSVFQLGSILHITFR YTNQT
13743	44111	B	13823	1	954	
13744	44112	A	13824	3	156	
13745	44113	A	13825	683	972	SHRLLRLLHSSRSSPGLVSSSISS FKHFSVLVILFTLMIVSFAVQKL FSLIRSHLSILALVAIAFGVLVM KSLPTPMSSMVLSR/SFF*GFYGF FRSYI
13746	44114	C	13826	1	895	
13747	44115	C	13827	372	1727	
13748	44116	A	13828	705	1072	LALLVELIPLPLCNGLLCLF*SL LV*SLFYQRLGLQPLPFFVFHLL GRSSSILLF*AYV*LFWHDFAA AGTGCSFPCLALPSGALVGQA WW*QKSLSICLSVKDFISPSLM KLSLAGYEILG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13749	44117	A	13829	1	1136	
13750	44118	A	13830	547	675	
13751	44119	B	13831	144	1877	
13752	44120	A	13832	1	441	
13753	44121	A	13833	27	344	
13754	44122	A	13834	287	600	GPGLQSSPLLSPWPRESSPLL LRPSVRGWHLGEP*NCFPSPLA AS/EQAPKRSS*PQCNHR*RETA ARGLAYPPDRPLPSMLSCESPE TPAKAGPGRERGCEKC
13755	44123	A	13835	2	226	
13756	44124	A	13836	2	226	
13757	44125	B	13837	45	518	
13758	44126	B	13838	1	699	
13759	44127	A	13839	3	362	
13760	44128	A	13840	2	130	
13761	44129	A	13841	3	96	
13762	44130	A	13842	1	545	
13763	44131	A	13843	2	144	
13764	44132	A	13844	2	91	
13765	44133	A	13845	1	370	
13766	44134	C	13846	1	214	
13767	44135	A	13847	215	310	
13768	44136	A	13848	2	91	
13769	44137	A	13849	1	289	
13770	44138	A	13850	1	997	
13771	44139	A	13851	1	192	
13772	44140	A	13852	2	267	
13773	44141	A	13853	2	181	
13774	44142	A	13854	1	171	MESYAAIKNDEFMSFVGTWMK LETILSKLSQGQKTKHCMFSL TDVIARRRSWTSI
13775	44143	A	13855	92	244	KRRRRRGQIRKMKEEGNRRT WMKLETILSKL*QRQKTKHRM FLLIGGN
13776	44144	A	13856	146	382	
13777	44145	B	13857	124	1215	
13778	44146	B	13858	1	628	
13779	44147	A	13859	377	484	
13780	44148	A	13860	2	220	WARTSCLKHQKQWQKPKLA NGI*LN*RASAQQKKLPSEWTG TWMKLETILSKLLQGQKTKHR MFSLIGGN
13781	44149	A	13861	965	1150	GVDQRAVCSSRIW*SHLFLFHS VVVHLPWAGTWMKLETILSK LSQGQKTRHRMFSLIGGN
13782	44150	A	13862	254	571	YSYKLEIIIIGKQPEIYRDP CYRP AV*SQTAVLAISEAPWA*DLPS QVSDTISWWTVC*AHWKS AVL GWE*PGFPGTWMKLETVSLSK LSQGQKTKHHMFSLIGGN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13783	44151	A	13863	62	214	
13784	44152	A	13864	274	435	
13785	44153	A	13865	1	294	ASTAGVSYYVAQAGLKLGLS LSKCRDYRCEPPCPE*MSLYKV MAMARKAMSLYIYFFLDEFM YFAGTWMKLETIILSKLSQGQK TKHRMFSLVGGN
13786	44154	A	13866	663	1266	PPLTCQCSHLCVTLVGH/WIKLE TIILSKLSQGQKTKHRVFSLIGG AGALAKECMSLYPGCKITVFDI PEVVWTAKQHFSFQEEQIDFQ EGDFFKDPLPEADLYILARVLH DWADGKCSHLLERIYHTCKPG GGILVIESLLDEDRRGPLLTLQLY SLNMLVQTEGQERTPTHYHML LSSAGFRDFQFKKTGAIYDAIL
13787	44155	A	13867	1	681	
13788	44156	A	13868	1	247	
13789	44157	A	13869	2	178	
13790	44158	B	13870	1	2042	
13791	44159	A	13871	1	378	
13792	44160	A	13872	1	683	
13793	44161	A	13873	1	972	
13794	44162	A	13874	308	406	
13795	44163	C	13875	177	653	
13796	44164	A	13876	1	465	
13797	44165	A	13877	3	1175	FFSSQAAALLVVLGSSHTLQRA RKHSAPGLPDTCALLQPPAASA AAAPSMSPDVPETPSAIQICRIM RPDDANVAGNVHGGTILKMIE EAGAIISTRHCNSQNGERCVA LARVERTDFLSPMCIGEVAVHS AEITYTSKHSVEVQVNVMS ENI LTGAKKLTNKATLWYVPLSLK NVDKVLEVPPVVYSRQEQEEE GRKRYEAQKLERMETKWRNG DIVQPVLNPEPNTVSYSQSSLIH LVGPSDCTLHGFVHGGVTMKL MDEVAGIVAARHCKTNIVTAS VDAINFHDKIRKGCVITISGRMT FTASN\NSMRFKVLLDPAPVVD SFQKRYRGRQCLSST*VSLSQER QV/PLPVPQLVP\ETEDEKKRF\E EGKGRYLQMK\AKR\QGHAE PQ
13798	44166	A	13878	121	361	SLFELENRSKFSVATAGLVPSR RLSINCIRRAFITSSNGFPLWFCL HKGPDVDCCVAVY*CGTEDGS WAPTHPGVGPSLP
13799	44167	A	13879	1	462	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13800	44168	A	13880	3	287	PCSLSSDCCASNQRDSVGIGPSE PRVGYNILVIRFLSPSEKRSR\V GVTRFSSAWEPSQLAGILPISEP PSNRIFACWGKPAWTACCNSLR ARR
13801	44169	A	13881	1	1332	
13802	44170	A	13882	1	753	
13803	44171	A	13883	1	516	
13804	44172	A	13884	71	277	IYFNTQESFCPPRPLK/LCDGRG CHKGL*NAFKAFSPFSWPLALG SFLLMQISAACLNSFPENGLFFS TT
13805	44173	B	13885	1	1095	
13806	44174	A	13886	1	741	
13807	44175	A	13887	264	2880	WLLQKHKLHVSRLGL\PDTSW ILPSRPDAGGRFPRTPPCVLVV HKPSRHCREWTANTVLPKGAL AKWLLEPKADLQGWHLPADG QYTKPSISYNIKLYINCYNRTVT TAAQHQQVQRKHGASIFLAEN VAVREKDKEERKVTRAPTEQA WTAGSWIETAYREIKGVGQES VCITVMHLEELVYELAWIIMSA VVEAFDPVAPSSKCRNLNPDNDP YCCTPYTLHTSPPPPPSCCTPYT LHTGPPPQTPFCCTPYTLDTSPS PQTHSCCTPYTLHTVPTFHLPA AHPIHLHTIPPPQTQGGGFVSED EYLEISDIKRDQSGEYECALND VAAPDVRKVKITVNYPPYISKA KNTGVS VGQKGILSCEASAVP MAEFQWFKEETRLATGLDGMRL IENKGRMSTLTFFNVSEKDYGN YTCVATNKLGNNTASITLYVD HIVGSKALLSKCKRTEITNYLS DHSAIKLELRIKNLTQNHSTTW KLNNPLLNDYVVHNEMKAEIK MFFETNKNKDDTYQNLWDAFK AVCRGKFIALNAHKRKQERSKI DTLTSQLELEKQEQTSHKANR RQEITKIRAELEIETQKTLQKI NESRSWFFERINKIDRLRLARLIK KKREKNQIDAIKNDKGDITTYT TEIQTIREYYKHLAYANKLENL EEMDKFLDTYTLPRLNQEEVES QNRPITGSEIVAIINSLPTKKSPG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13808	44176	A	13888	1	629	AMAGSPPPASLLPCNLISDCCAS NQRDSVGVGPSEPGVGYSLVV RRFLSPSEKRSIRVGVTRFSRCR PSPLSLTQKGNSLTSWASQVLT PAPEKQPDNKLPLPRRGSRDPT EYFHGQEVDRKSDHVDHVSQ IHSFRDEVKRLGAEDSSNAETP TELHEFNTGGVYRPPNSTSVIQP LDQGVIRTFKPCYTKYSLEKIVS AVEENPDRT
13809	44177	A	13889	1	1452	
13810	44178	A	13890	167	309	
13811	44179	A	13891	3	386	SVGALQKQQGWHQRCISLHF PSFLCVFSLAKSRRADHNQDPR ASRMAFSLTSSPLARSAASAVA AFGCGTSGNGRFSSVP*AYRQV FQRIAIAYGPLMRDR*AHPVK TPDAIDCRIRQPAIPRLQ
13812	44180	B	13892	121	298	
13813	44181	A	13893	473	1826	
13814	44182	A	13894	1	270	
13815	44183	A	13895	3	3706	
13816	44184	A	13896	1	1464	
13817	44185	B	13897	591	729	
13818	44186	A	13898	1	1326	
13819	44187	A	13899	1	1152	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13820	44188	A	13900	1	2524	MREEFAHRWRLARAGEKTPPDA LEKLTDPMLFAAAMVSAGKAD VCIAGNLSSTANVLRAGLRIIGL QPGCKTLSSIFLMLPQYSGPAL GFADCSVVPQPTAAQLADIALA SAETWRAITGEEPRVAMLSFSS NGSARHPCVANVQQATEIVRE RAPKLVDGELQFDAAFVPEV AAQKAPASPLQGKANVMVFPS LEAGNIGYKIAQRLGGYRAVGP LIQGLAAPMHDLSPCIAATDAG SAAAQRIGDLVSVHVIPRPHVD LEQVFPIGLKAYTATCNHPVSL RFTIKSSSDRIKLSNQTLQSKNL FIMRFYCFSLCLSLSAFYHCRGV IVNIQAVFWLQKGTEAADILTT CAQLWIMMYALLSVFSLLDVIL NLAQKFPAASQLPLKGIFQGIKL IGAILVGILMISLLIGQSPAILISG LGAMAAVLMMLVFKDPILGLVA VRNWDNTITTIPTWSLVSDSFK NWSGMSASGGRRIKRSISIDVTS IRFLDEDEMQRNLKAHLLKPYL TSRHQEINEWNRQQGSTESVLN LRRMTNIGTFRAYLNEYLRNHP RIRKDMTLMVRQLAPGDNGLP LEIYAFTNTVVWLEYESIQADIF DHIFAIVEEFGRLRHQSPGTNDI RSLAGVTINKAPGDDEILKNTV DFVSFSYYASRCASAEMNANN SSAANVVKSLRNPYLQVSDWG WGIDPLGLRITMNMMDRYQK
13821	44189	A	13901	1	2370	
13822	44190	A	13902	1	282	
13823	44191	A	13903	1	714	
13824	44192	A	13904	3	506	
13825	44193	A	13905	459	551	
13826	44194	A	13906	401	492	
13827	44195	B	13907	479	702	
13828	44196	A	13908	120	256	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13829	44197	A	13909	16	1249	SKSGAIEIARLAGRVHGVVVQI TSEIGPLTLLTANFAFSAS*STA WKATSMDGEVLS*YSTSASAS AERQSTHQ*TGFAPLCR*PLPMI /VAQRADDVGFSFEVHGQVRV RPVAQHAQTDKVFALTVDLGR RVFAALGAELGGARSAVRPVP ECYAVRETLALLQKIFPIRCEN SVYRNRSRPCLQYQIGRCLGPC VEGLVSEEEYAQQVEYVRLFLS GKDDQVLTQLISRMETASQNLE FEEAARIRDQIQAVRRVTEKQF VSNTGDDLDVIGVAFDAGMAC VHVLFIHQGKVLGSRSYFPKVP GGTELSEVVETVVGQFYLQGSQ MRTLPGEILLDFNLSDKTLLAD SLSELAGRQINVQTKPRGDRAR YLKLARTYAATALTSNFRSIYR SPATDRACQRVETAGNER
13830	44198	A	13910	1	438	
13831	44199	A	13911	1	1200	
13832	44200	A	13912	1	300	
13833	44201	A	13913	1	431	
13834	44202	A	13914	2	1465	
13835	44203	A	13915	1	513	
13836	44204	A	13916	3	535	RDKILVFKDENFWMIRGYAVLP DYPKSIHTLGFPGRVKKIDA CDKTTRKTYFFVGIWCWRFDE MTQTMÆKGFPQRVVKHFP RVDAAFQYKGGFFFSRGS YDIKTKNITRIMRTNTWFQCKE PKNSSFGFDINKEKAHSGGIKIL YHKSLSLFIQVHLLKNTSIYQ
13837	44205	A	13917	1	876	
13838	44206	A	13918	23	414	
13839	44207	A	13919	2	425	QERGPQVQIRKECLREYSPVV S*AKGTGVAVGQKGTQCEAS AVSSAEFWYKDDKRLIEGNK GVKVENRPFLSKLIFFNVSEHD YGNYSVASNKLGHNTASIML FGPGAVSEVSNGTSRRAGCVW LLPLLVLRLLLKF
13840	44208	A	13920	1025	1270	
13841	44209	A	13921	370	701	
13842	44210	B	13922	1	660	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13843	44211	A	13923	1	432	RFSRVDDFVLTMDDGPPRRAR GDLTHSGLWRVCCIEGIYKGHC FRINHFPEDNDYDHSSEYLLRI VRASSVPILSTILLGLGICIG GRIYSRKNNIVLSAGILFVAAGL SNIVGIIVYISSNTGDPSPDKRDE DK*NHYN
13844	44212	A	13924	1	1093	
13845	44213	A	13925	1	1203	
13846	44214	A	13926	1	1353	
13847	44215	A	13927	2	445	
13848	44216	A	13928	1	227	
13849	44217	A	13929	1	840	
13850	44218	C	13930	120	356	
13851	44219	A	13931	40	342	
13852	44220	B	13932	403	473	
13853	44221	A	13933	70	2169	
13854	44222	A	13934	1428	1905	RCAATSGYGERVQRTV/PTHTV W*ASLSQSSAHRVVAINSIANK RSSMPPKSWATVALTSTKLKCR FMAKVRNKSFSVLHNV*MTISI/ SPWVILSSGVDEKLFPRAVRVA MTAGASGFLAGRAVWASVVG LPDNELMLRDVCAPKLQQLGDI VDEMMAKRR
13855	44223	A	13935	227	342	VHSWQRYSGR*RGY*PQNQSA TDQTRRWQSLKTAGAVA
13856	44224	A	13936	480	928	FFADLQPPVCADSYPPLLVQMK LAPHKS*NAVLWQRSATKSFSV L/AQGLNDHINMPWVILSSGVD EKLFPRAVRVAMTAGASGFLA GRAVWASVVGLPDNELMLRD VCAPKLQQLGDIVDEMMAKRR FIPLLRRWVDLALTRWLITVSK
13857	44225	A	13937	564	1185	WLHASAALLRW*YQLPGQPHH RRCRSADGSHVPSLCAAVPDQR \PLITVRRIGMQAMTTSTTGDRQ RSWQIAMDGSQKLPQRM LDSV RWHLAHD SKFDLLALGVAGW MRYVGGVDEQGNPIEISDLLN RMAANRFVHITQLPVIYRAFRN SFTQVARLQLCHKRFQQRHTSV REQIVTVLSGIRDNHVHFVQTL TGDGVGNQRQLVQ
13858	44226	A	13938	228	424	HRFCPAARH/RSWSGLREMAVS ISMPRIINSGRYCAICWYKRRS RCARNMLIFPVARSTPIPGPS
13859	44227	B	13939	128	1670	
13860	44228	A	13940	2	2367	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13861	44229	A	13941	1	921	ELPASPAPCARTPQPLGGRWEA ARRKERVLCFLFDVDGTLTPAR/ QGRTLKIGSSHRECHADTPEAE CGVCSSVTEVRAKWRSQTC*KP ECYASPLPP*KIDPEVA AFLQKL RSSYLPVGSQTWSHTLSSSCPLC DPEVIGRDTVPVSGSGSPGHAQ SPVFLGQTIQNHLPGGARFEF RA/CSGSLWLPALPHHARGTFIEF RNGNCVPSQGLAHSRSELPSA PSPLQKEQAALLLALSAPPSRE* QSPPLPTGGMISFDVFPEGWDK QVRSSQCGEGLHNLNIPPLPILCV QGGNDFEIFADPRTVGHS
13862	44230	A	13942	105	416	HSVLEVGPWWVEVFGSWGQILH SLVSSHVRHWLLPSPSAMTES SLTFQQKPSRCQHHASCKAYHS HQLLLVPTAGRLED RSHH*IPC KHSPAPAWSLAAPVGN
13863	44231	A	13943	191	573	SSSGGYQQQLMRVIGTRDTAV NKASNVPSFGA*/IPSGRGQQA LIALTRALTLAKELHVN IYADC KYAFHILHQHDVIWAERGFLT VQSSSIINASLIKTLKATLLPKE AGVIHYKKGHKASAPIA
13864	44232	A	13944	1	1065	
13865	44233	A	13945	321	537	
13866	44234	A	13946	346	1260	GGPARAEFSRHLGCKGHHPLPK DVASEVPAGSSTSVSSLIRTNGC PGLGSWEPP*FFSENKRLSTLMS FTLRDSKMFSPQSGLF LGCSAG EHSALRDPTASGLPGTASGVRP GR/RQRVGSDIEASTQGESKPCI LSI*TLPNA*LKTKLTLPLEIAAC TNPHSFSITARIGPAHLAAPRPV TPAGRGGARAPGR*CAAARPPP ASQ*VSGSPAPGGGPPSYAPAAR TS*PSSLAPGAKRLRFSRVATFC CSFLAWSSSSNKAFCT*EHMSL LSSWISQSLEKVASCCPCEQFDS WKRENILLFS
13867	44235	B	13947	1	459	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13868	44236	A	13948	63	1263	VEAAKKAHHAACKEEKLAISR EANSKADPSLRPQAHTYALSPL FLTAMPSV*QGEHVIYTRVRHS DQVSESSGKPLSLPLLEPGIWAF EAAQVPPRWDQVRSLEPTTEW EAPGLKKRRVSQGLNGNEPLSC AWIFL*TKEKYEKSLKELDQGT PQYMENMEQVFEQCQQFECKR LGWDKG*LAPAF*KSHVSL*FS YKAIYHDLEQSIRAADAVE/DR RGFARK**TFGFSPSAPVA*EWS ADLNRTLRSREKKATDCQDP HGPLQSWDPLKALSLHSTLNVP SNPAQSAQSQSSYNPRGPHTLC RPVLRALWPPLSCSVSSYEKTQ SYPTDWSDDENNPFSSTDANG DSNPFDDDATSGTEVLCSPPSV SYLSWRRLPLCLAGDELTKME DEDEQGWCK
13869	44237	A	13949	2	485	AAAFGTRLSRRGRGCGVTGSG GGRRRVPAAPRRPRSPLOPPHQ/P PRRPSRRTPGCGSRGA\PSRGRR LVPPPEPPRAAQQRARH\HRTS RPAARQPPRRPPAQRSCPRRV RPTPAWSPGRRGPRRSRRRRR RGGRARARRPRRGQVPRPQS ATGAGHAR
13870	44238	A	13950	1	207	
13871	44239	B	13951	1	5297	
13872	44240	B	13952	1206	1360	
13873	44241	A	13953	46	369	NEGKNAKGSQRERSGYPQREA HQTNBSGLGRNPTSQKRVGANI QHS*RKEFSTQHFISSTKLHK* RRNKILYRQANAERFCHHQEGS TKHGKEQVPAAAKSCQNVK
13874	44242	A	13954	476	868	KYDCCISSTFCRALVHFSRTTFQ VNSPLSPNISAFGYMPLKYSIYF LHHLRPNIL*AASYFLKYKGT KLPALRGCLS*STRCWCKIHICI *ND/ECLQFLGPWFENEFCFLPS TSQFVEFVLDILVLQNEP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13875	44243	A	13955	1770	3003	PANIIMTGS\NSHITILTLNVNG\LNAPI*RHRPAIA/S/WLKSQDPSVV\CIQETHLTCRDTHRLEIKGWRNIYQANGKQKKAGVAILVSDKTDFKPTKIKRDKEGHYIMAKGSIQEEELTILNIYAPNTGAPRFIKQVLSDLQRDLDAHTIIMGDFNTPLSTLDRSTRQKVNKDIQELDSALHQADLIDIYRTLHPKSTEYTFFSAPHHTYSKTDHIVGSKALLSKCKRTETITNCLSDHSAIKLELRIKKLTQNH SATWKLNSLLNDYVWHNKMKAIEIKMFFETNENKDTAYQNLWDTFAVCRGKFIALNAHKRKQERSKIDILTSQKE LKKQEQTNSKATRRQEITKIRAE LKEIETQKTLQKKQPNKDPAMEKNNKTDRVLARLIKKKREKN EFSAHILYKFSKQNGS
13876	44244	A	13956	105	392	RSRKPRGNPKSHPEDTDPTKAPRKRQISSRGHRSHR*EPGPQSAAPGFREQRRRGQMG*IWYLTPTPPGGQRPSAASPRGFPTNNSRLPAEPE
13877	44245	A	13957	55	403	SEGMSGKASEKQEAFCPRHLT RAVDGPS*SGLLGSRLPPSCSPGKEAPGGSELYLCLMRGLQTL*ARSGTGRL/PNP AEIR*EPGPQSAAPGFREQRRRGQMG*IWYLTPTPPGGQ
13878	44246	A	13958	217	444	RSRKPRGNPKSHPEDTDPTKAPRKRQISSRGHQSHR*EPGPQSAAPGFREQRRRGQMG*1*TPCRPALPKSKPRPL
13879	44247	A	13959	309	670	PCPRASSQGLKATH\GQR*SSEPPGASFPGQLDGGRRREPRRPD*DG PSTGLVRCLGHANVGDPCLKVFVFFKNLSPTYLRASAEQTLPLLLPHLHGLCLHQPLHLGFTAAWAQLTFWEASQ
13880	44248	C	13960	392	760	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13881	44249	A	13961	24	915	HAGRHARGSLFPGARPSETRAH CVRTARPNCKEEDTPMVRGKN SGGEHCTWGPSLAAGG*GIGDP GGLPGT\PHPGQLLLHGFAGP HMASLCCGVSSPAGVRQWPA* GSGNHQVKS WLGLPKNV*AP SML*NPKMQRLMKAQPHGRCE VRRGRVCSALGP/IGMSGKASE KQEA*DEGHPHLHAPGT*QDQ VDGPS*SGLLGSRLLPPSCSPGKE APGGSELYLCLMRGLQTL*ARS GTGLRANPAIR*EPGPQSAAP GFREQRRRGQMG*IWYLTPTPP GGQRPSSAASPRGFPLV
13882	44250	A	13962	397	612	RPQHHTFCCDGRVMMARQKGI FYLTFLILGTCTLFFAFE/CSFG *VELPDYGYFGSRGRTCFGLSL GLVLG
13883	44251	A	13963	125	1298	FQSWAQPLFLLSCNRKTHFGTR IP\MSVMVVRKKVTRKWEKLP GRNTFCCDGRGMMARQKGIF\ YLTLFLILGTCTLFFAFE/CGRYL AVQLSPAIPVFAAMLFLFSM\AT L\LRTSFSDPGVIPRALPDEAAFI EMEIEATNGAVPQGQRPPRIK NFQINNQIVKLKYWYTCKIFRA SRASHCSICDNCVERFDHHC PW VGNCVGRNRYRYFYLFILSLSL LTIYVFAFNIVYVALKSLKIGFL ETLKETPGTVLEVLCFFTLWSV VGLTGFHTFLVALNQT TNEDIK GSWTGKNRVQNPYSHGNIVKN CCEVLGGLPPSVLDRRGILPLE ESGSRPPSTQETSSSLLPQSPAPT EHLNSNEMPEDSSTPEEMPPEP PEPPQEAAEA EK
13884	44252	A	13964	44	647	DYSAQH GKASQKHVARLISSGT FQGATVSRPFQLSTSSSSFCSSSS SLSSSSSLSSSLLSCSSES VFLS LSFFFCSEASFLPFCSRLYASRA SFNGVTNRWNSISSMAESTSLA FSVFRFPFI AKLLAQDVAYSTKT LAAREIGAPGLLDGVDVTVREL R GDRG*AKLPFQHLLPSCPFVRPP RAAHRLLDDPGDHGIGQV
13885	44253	B	13965	158	1075	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13886	44254	A	13966	125	1297	FQSWAQPLFLLSCNRKTHFGTR IPIMSVMVVRKKVTRKWEKLP GRNTFCCDGRGMMARQKGIF\ YLTFLILGTCTLFFAFE/CGRYL AVQLSPAIPVFAAMLFLFSMAT L/LRTSFSDPGVIPRALPDEAAFI EMEIEATNGAVPQGQRPPRIK NFQINNQIVKLKYWYTCKIFRA SRASHCSICDNCVERFDHHC PW VGNCVGKRNRYFYLFILSLSL LTIYVFAFNIVYVALKSLKIGFL ETLKETPGTVLEVLI CFFTLWSV VGLTGFHTFLVALNQTTNEDIK GSWTGKNRVQNPYSHGNIVKN CCEVLCGPLPPSVLDRRGILPLE ESGSRPPSTQETSSSLPQSPAPT EHLNSNEMPEDSSTPEEMPPEP PEPPQEA AEA EK
13887	44255	A	13967	247	850	DYSAQH GKASQKHVARLISSGT FQGATVSRPFQLSTSSSSFCSSSS SLSSSSSLSSLLSCSSES VFLS LSFFFCSEASFLPFC SRLYASRA SFNGVTNRWNSISSMAESTSLA FSVFRFPFI AKLLAQDVAYSTKT LAAREIGAPGLLDGVDTVREL R GDRG*AKLPFQHLLPSCPFVRPP RAAHRLLDDPGDHGIGQV
13888	44256	B	13968	298	380	
13889	44257	A	13969	48	252	QRAGSPHSPRSL SAPPLPELPLW RHLRSPSAHRCTVGAPFWDGQ G/LEPAPSAALAAFP RSARDLQ LA
13890	44258	B	13970	1	447	
13891	44259	A	13971	236	559	MWLEPMQM GFLHMM EKMAA RTSAILD*GTLK*FHFTLT TSLK ALSSHTPIFPGTGELQLPVSPSV CLDQGMQLKPSTSSHLLKTVKP RMKRQSL LHMKQSFE PKIYL
13892	44260	A	13972	1	645	MKPQTLTVSVTAFKVAHLEFVP SDVQMCSEFLPSGGFVVS LASG VKLQTF AVSFTA HKSSVDPKNS EAQLASPSGFCTRAADGAACQS \LPCTCTPQPLGGRWDWALWS RGW/LLVEEA WAAQEPT EELRE RALALASPERGSHSA AVGQRAP QVPPKWEPRQRRRRERARAVR TASTLSPLNPPSKQDTLTAVGN LADDHSSYFLLD RGE EGALQL
13893	44261	A	13973	28	322	
13894	44262	A	13974	1760	4426	
13895	44263	B	13975	942	3414	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13896	44264	A	13976	1	274	
13897	44265	A	13977	545	1150	RISGPGAVLLPVMPALWRLRHR MFSLTKK*HLP AHRSLAEGYLL YQPQLDTLKARLTQKYQELQV LFEAYQIKKTKLDRQSSASLET LLALLQAEGAKIEEDTENMAEK FLDGELPLDSFIDVYQSKRKLA HMRRVKIEKLQEMVLKGQRL/S TRPWPRCPPGCPNWHLP PPFPT LPQSQWASCRCTSAHPPPTTPG AAGRL
13898	44266	B	13978	213	611	
13899	44267	A	13979	1	639	MEAVTVVPVGTEEGMGEEEQD SGTTTGCGLP SVEKMLATNPGK TPISLLQKYGTRIGK/TPVYYLL KAEG\HQPNTFW\VGNTSCT AQGPRKKVVKHKA AEVALRHL KVESMLEPAPEDSSSFPLDSSL PEDFPVFTAAAAATPVSSVFLT RSTPMEKQPPLP\QQSECIPVG ALQKL VVQKGWWLPEHTVT*E SRPDQHEELT*RVERFT
13900	44268	A	13980	361	894	AFFPMSTAGVCGNVEGEPETP WSLPLSQVPFSPNA/CPQGT LGR S*AGVAGAPGPGVPGRSPAA\GI PEPAARPGRPALSRLPGLGGAG ARSGAA*G*GSRPGG/PLPAADP VQSWG P*EAPSH P*PGT\SADSP PSGVSGATGDCLWGSGRAELF GFATTSSAAPFPGLPTFFFIPVSP
13901	44269	B	13981	1	3842	
13902	44270	A	13982	3	407	DAWAAARPGRSCALPPPGA/PE EPGHVPGAA*G*GSRPGGRFQL PDPVQSWG P*EAPSH P*PRNFPQ TRRH LGVKQHGC SQSPHGSRA SQAHPGISGLF/GPHHPGPPLFIH GPRCCAQATASNHLFACGTSS DP
13903	44271	C	13983	127	297	
13904	44272	A	13984	3	1920	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13905	44273	A	13985	3	2271	GQGRRTAGGGGGGAGVAG AGAMEAERGPERRPAERSSPGQ TPEEGAQALAEFAALHVWSGE GIGVGSPAHTPADGNSGPQVFD AGEVFGIMQVEEVEEEDEAAR EVRKQQPNPLAPPTSLCPMPTR QPHIVACARSIFLIDHAWTCRV EHARQQLQQVPGLLHRMANL MGIEFHGELPIWVPEGSSGGW MGEREVPYVLCLQTAEKMPV WYIMDEFGSRIQHADVPSFATA PLEEGPQPSVPSPPLMGTH/DL GTEEVTRDFAYGETDPLIRKCM LPLSSSHRGMETPCVHTSRASL PLQACELPSWSLLINEPPRPAF PSLP*PHLYFRCVSF*AIPGLVLE SRLDTWEPGSPSSGSPHRVYTD VQQVASSLTHPALPVRASRHC PPLELAHLPPPCRKLSQERPGVL LNQFPCENLLTVKDCLASIARR AGGPEGPPWWVLGWHLGTQ APGAPQTALLPRGEDNHWICK PWNLGLCVLGSPLGCPGHQR ACTCVLQVVSKYIESPVFLRE DVGKVKFDIRYIVGGTSLAGTR PLKNPYVSAHLSSRAFAQGRRG RGGPTWSGWLLARDPARV*DL LSSLVHSVERCPMQWALSEWQ LHHLSTWSSGLCGLAG**VFQM HRTPTPP**QAACSRPSGGLYR A*WALCLLPGAADPLLRCSEQ AS*LRLPGPQAEIFRAFTQLFQV
13906	44274	A	13986	1	600	MEEQRVQFTLWLHFSPHGICQF ESGRQEAKKLKSGSQPLKTGEI KTGIQKYRREALQHYLGPASL AGRSKALTGTARSCSSGSDSSI FTLCVNYNDSRAIMKTAAIGT GFDCASKAEIQLVQILGMPPER FMYANSCKQMSQIKYTANNGV QMMIFGNEVKLMSVARTHSKQ P/CHISVKSGAMLKASRLLE*A KEL
13907	44275	B	13987	1	2040	
13908	44276	A	13988	205	438	LYFLETGVFCVQVPAQQC*CSV PGSCRRPLEEAGWRGLGLSGRL AGTGLPSGSRGNRTERGERGKL VRGRRGVTRWLS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13909	44277	A	13989	284	632	KTGVFCVPGPRPTVLM*CSFVG GKKNQYCLTGDAGCLQEKHSL GPAGV/HLEEAGWRGLGLSGRL AGTGLPSGSRGNRTERGERGKL VRGRRGVTRWLSHPQVQRQAD AGTCSPFEP
13910	44278	A	13990	594	1003	VRKGHHA VRGLCGRAQFRCIS GDPGKRPLG/LPGGNAPKSGSL ARRPQVRI PGSRPQ/RGSVSHL GPAGVH*R/RAGWRGLGLSGRL AGTGLPSGSRGNRTERGERGKL VRGRRGVTRWLSHPQVQRQAD AGTCSPFEP
13911	44279	A	13991	1	1500	VRVAHIPIAAA EIAAIPDRGGHL SVGKRKLTFWFFYGVLPFRDV AIEFSPEEWECLDSAQQHLHRD AMLENYGNLVSLAAGDQSLPG DAAASAVCRQLSPSACGAILGL PPVNGVAPVRLRGEIVTYTWSQ LTGLALALSKDGADGLRRLTRP TRRAPALLAPQTAAERWRG KCDPRHGGGCALALQGWTLYP RESPRESKELGGLWSFRADLD SRRQGFEEQWYPRPLRELGRG GRRPEARRWEGGSPGPCRLPL SAPELAPYRKLKVNLRGAGL GDGETGGTGEGRGRRRKRC RTLSRDEGFNDICQDWLRF VGWVLYEQEVTLPQWQHLR TRVVLRIASAHSYATVVSARS RQGRGIGGLIYTLGMPFFLSGW QVPEPHAAGYVRECLIAGPLLM P/TTCCPLLISPVS AVGEWGRHA RA*GADSSSLVQNTDFDFNYA GLQR\SVLLYTTLTYYIDITITT GVEHDSA EIPFPEYLRVNTGN
13912	44280	A	13992	2	307	
13913	44281	A	13993	220	427	MSTLPFPSLQMFRPPYGPSTC RSQDNRSYSRVTEELQERRRW NSGDAN*DQSP EARRQRPRHIE EAA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13914	44282	A	13994	1	2832	MGKYYTQGDKVLMLAIQVH HAVCDGFHVGRMLNELQQYC DEWQGGAYPKGYFVQNTDFDF FNYAGLQRSVLLYTTPITYIDDI TITTGVEHDSAAAPMVDSLIR VGVMARGNAITLPCGRDVKF TLEVLRGDSVEKTSRVWSGNE RDQELLTEDALDDLIPSFLLTGQ QTPAFGRRVSGVIEIADGSRRR KAAALTESDYRVLVGELDDEQ MAALSRLGNDYRPTSAYERGQ RYASRLQNEFAGNISALADA
13915	44283	A	13995	1	2934	MITFDFMSHIQVTLMQEVSFHG LGQLRPCGFAGYSPPPGCFHRL ASSVCSFSRCTVQAAVDLPFWG LEGTSPLLAASLGSAVGTLCG GSDPTFPSWTALADVLHEEGHT PASNFCLRNLAGESQSWRKE GLGTPRPTASSTEELQTLNEDSR LMTSPHNLEETRDCTELPKKS LGWKEIRVYGQNKTLGFWLQA QLLICDGGNLRMFRLLPYGPS TCRSQDNRGYGGVTEELMERK RWNSTDGFHIQGVLE
13916	44284	A	13996	68	425	SHILPGAPGAPAWWTRWPSTLP EPFPRGRGSPAGTSPISRPLVQ SS*ASRGSDSRLPV/GPASCQAS GPGPDSRRPPCTPA/GPHHGSL PSAGRVGASAAAAGPPSPA VPL PPAERPAP
13917	44285	A	13997	324	723	TAFSLNFQGGVEGEVWAGTRA ARGACAGERGLGGSRTSGW/P GTAGPGQAGHGTCSLPCPSLPP AMGSCVSEPPRQAPPPAPWRLV PSTAQGLRSVGTQCGTGSSAC GPCGDPGF*THQSAPCQNGPIS SL
13918	44286	A	14000	39	383	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13919	44287	A	14001	181	1446	EDLLQEAQALAEVTAQGKGLG QVRSLDLSLEACAGSPPLQVLD LQDREPRSLTSLPSSAANRGKL EKAQSNPCGHRRHQAAGLKLP LFSAQAPQGQPTPAPRFRAATR KPGTAQSHAPLWSPAMSFPEL YFNVDNGYLEGLVRGLK/ALGE LSQADYLNLVQCETLEDLKLHL QSTDYGNFLANEASPLTVSV\ID DRLKE\KMOV\VEFRPHEGTMPY EPTSPSFP*TSITLQFT*FDNVI/L WLIHRARLHQRSIAELVPQVAH PLG\SFEQMEAVNIAQTPAELY NAILVDTPLAFFQDCISEQDLD EMNIEIIRNTLYKAYLESFYKFC TLLGGTTADAMCPI\LEFE\NR RAFINT\INFFG\TKTVPKKDRCP AFFPH/CGAGFFPEGPAAMGFG LNNLLTGAKKRGYPNFPEVQL AFLRGDG
13920	44288	A	14002	1	1182	
13921	44289	A	14003	26	342	ARFLAGP*LPSRRTGLRDLQPA MPEPP\PTWAPVRPEPPRRAPP PAPRRPVPSTGKEQTTQGLRSA GAGHRDWQAAPPAAPVRDPLG EASWAPESGGDVESLYV
13922	44290	A	14004	66	463	
13923	44291	A	14005	3	1446	
13924	44292	A	14006	221	852	NSFLMVGFPPFFSL/CAAFDTKT GLRVAVKKLSRPFLRPDGYYTE FNIYLLFNFYILTSSAV*VVLSH SVVIECLLSIRHCSRYFRKSSD KNFLRGSRLLCNFSLSIRYLVT LMGADLNNIV*RYR*YK**FFK MNSPFLPLPVGGELIMHHKVDP VCFVFFSLPVSKS*QFVCSSAL *ILDFGLARHTDDEMTAKGQPE CFVRWACAS
13925	44293	A	14007	55	784	RHIQDPASQRLTWNKSPKSVLV IKKMRDASLLQPFKELCTHLM ARGAGGGHDARSLTTAPVSRE PPCRRVGSAGGMSRLALCFQEN MIVYVEKKVLEDPAIASDESFG AVKKKCFCTFREDYDDISNQIDFI ICLGGDGTLTYASSLF/QGNAA VVLRSRLKVRVVKELRGKKT VHNLGEGKSQAAGLDMDVG KQAMQYQVLNEVVIDRGPSSY LSNVDVYLDGHLITTVQGDGVI VSTPTG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13926	44294	A	14008	155	1592	PESRHQCFSDRSANFLTMEMEQ EKMTMNKELSPDAAAYCCSAC H\GDETWSYNHPIRGRAKSRSL SASPALGSTKEIRRTRSLHGPCP VTTFGPKACVLQNPQTIMHIQD PASQRLHVEQRPRTVLVIKKM RDASLLQPFKELCTHLMENMI VYVEKKVLEDPAIASDE\SFGA VKKKFCTFREDYDDISNQIDFII CLGVDGTLTYASSLFPQPSPP VMAFHLGSLGFL\TPISFENFQS QVTQVIEGNASCCSSGSRLKGQ GW*RSLRGKKA\VNGLGEK G\SQACRPGTMDVGKA/QAMQ VPRS*NEV\VIDRGPSSYLSNVD VYLDGHLITTVQDGKARSTV LGP*ASLGRE*RLRLSLSGVIVS TPTGSTAYAAAAGASMIHPNV AIMITPISRSVLPTAGGPHLSLL DPQIMLSPEARNAGGGPFWKP WLRLLSRPSISITTSCYPLPSIC VRDPVSDWFESLAQCLHWN
13927	44295	A	14009	327	466	
13928	44296	A	14010	2	196	
13929	44297	A	14011	923	1776	WRKCGCETAGSASATRAAAATE KMEAPRNKMCRDQENSAWRN AVPGP*E*RQPEEFPRTTSLAEP TVLSRRKCRPSEKRGSA TEKFG ATSAVTENPPLGAAGERANKTL GAATVTPTLGPRPRMEKGGTR CPSTL*PSVQERQPESPSGNHPE TQKIEFAGRRVTFQHRWATTLR TRISGTGASPRDRSAFFGFPWC G/AAQPSDEESTPATQEEAQAQ AGVAAAASSEEPGHCAPRPPHA PRSALFEDWSREPERSDDGDL ECRRPATEPWRPPGSAWRLPCA A
13930	44298	A	14012	568	1223	SARGLLPGSGPLSHAGPQLQVE WFGCLPPPDSTLELVCGTVAI SRVRMSAVCVLRTWS\RNAG\Q LI\CFTVFQPCSNVHVL/KGPNY VCFFG\YPSF\KYSHPHNFLKTI NAVCGQLVQFRFPDTEEGIRK VTV/KCYVKEGDTV SQFDNIGK VQSDKASVT\IASPYDGI/RKL* HSLDDIAYVGKPLVNIETEALK GTVNLFYQIDYCPPFVIGSQLK



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13931	44299	A	14013	5	296	LFSRVPSKGPPIRYHHTSSRG*TR AD*LISS\GNS*AHCIPSGLQGM LNLLPTPRAPVRPEPPRRAPPPA PRRPVFPDHPACGTGRQLHLQ PRCGIH
13932	44300	A	14014	1	376	MQAVLLTVLQKHNSVIYWY MKYIYYEGLVIMDDYDYVIMD YMTMETEKSHDLQAGGPGKPV VQFQFKPKILQASRGNGVKSWS KSKGLRTRCANVQGQENREGP AKHSPFLCLFVLFSSSTGRMIPN HTGDTSKVIAGTEERGVPKKVT LKFDACAAIDRPWAHQLDCTY HFKGSNDEHDSRLHTNAG*L*L C/RLWIT*LWRLRNPMICRLEA QESQWYSFSSSPKCKPVEAMA LSPGPSPKA*EPGVLMASKGRKI GRAQLSIHLSSAFLFFSAPQQVE
13933	44301	A	14015	1638	2289	VEKKKKPMSAPALRLPDLTKLF TLYVSETKKMAVRVLTQTVGP WPRPVALLSKQLDEVSKRWPP CPKSLVAIALLAQEADKLTLRQ NLNIKSPCAVVILINTKGHH*LM NARLARYQSLLCEHPRITLGS QHLNPATFLPVSESPVKHNCVE VLDSVYSYVGPNRDHPNLISR LGAVTWMGSSFHQPLQSDTLK KTTSPGSSHTRKLTGPRTAEA
13934	44302	A	14016	1	675	MAPPLRLARLRPPGMLLRALL LLLLSPLPGLREGIGELITPIGT SLPDLDPARRRWEGGIGRVGSE VADLCPGKEGGKVPEAEKEGV WCFSELSFVKEPQDVTVTRKDP VVLDCQAHGEVPIKVTWLKNG AKMSENKRIEVLNGLYISEV EGRRGEQSDEGFYQCLAMNK\F *AILNQKAHLALSRIGST*RRRP DRP*EDEAFVMTTHCFQDLLTS
13935	44303	C	14017	18	329	
13936	44304	A	14018	391	895	WASSDTPTGFTQRWRPDWAGG GGGEERGDGTGVVWEGEKVY RFRRVTGGSSFPSPAVLVRAPN TGMPKLTYYQT*GPLGERGKEP VPPN\PTLPQTFGGLLNASVVRK TEIPSPSPPPVCYLASAERQ/PA GGSPQAKWRRRAASSPPPLPPVH LPPPPPPPPPPPPPP
13937	44305	B	14019	1	1110	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13938	44306	A	14020	282	710	YPEPQGWWRVAHTVQYPIHIQPL KPGPRGR*SIMDIQVPPKEGGV LILKNSSRLLNSWTQGCLQISA FSPTSSTLPGTPWSNVGPYKIAP ITSFGE\PFIRVIWKQLPSWISIIQ V/SHKQ*QIHRSVDIGWSPGQEC GPKGCFV
13939	44307	A	14021	1	1416	MIILIDAEKAFDKIQQPFMLKTL SKLGTDTGTYLKIIRAIYDKPTAN IILNGQKLEAFPLKTGTRQGCPL SPLLFNIGLEDLARAIRQEKEIK GIQLGKEEVKLSLFADDMIVYL ENPIVSAQNLLKLISNFSKVS GYKINVQKSQAFLYTNNRQTESQI MSELPFTIASKRIKYLGIQLTRD VKDLFKENYKPLLKEIKEDTNK WKNIPCSWVGRINIVKMAILP R DIDQW/NRTEPSEIMPHYNYLI FDKPEKNKQWGKDSL FHKWC WENWLAVCRKLKLDPFLTPYT KINSRWIKDLNIRPKTIKTLEEN LGITIQDIGVGKDFMSKAPKAM ATKAKIDKWDLIKLSFCTAKE TTIRVNRQPTTWEEKIFATYSSD KGLISGIYNELKQIYKKKTNNPI KKWAKDMNRHFSKEDIHAAK KHMKKCSSSLAIREMDIKTTMR YHLPVRMAIHKSGNNRCWR GCGEIGTL
13940	44308	A	14022	1	3450	
13941	44309	B	14023	1	3171	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13942	44310	A	14024	1	2433	MRTKTQHTRISGTHSKPVCRGK FIALNAHKRKQEKSKIDTLTSQ LKELEKQEQTHSKASRRQEITKI RAELKEIDTQKTLQKINESRSW FFERINKIDRPLARLIKKKREKN QTDTIKNCKGDITDPTIEIQT REYYKHL YANKLENLEEMDKF LNTYTL PRLNQEEVESLNRPTG AEIVAISSSLPTKESRTGWIHSRI LPEVQGGTEKEGILPNSFYEASII LIPKPRDATKKENFRPISLMNI DAKILNKILAKRIQQHIKKLIHH DQVGFI PGMQGWFNIRKSINVI QHINRTKDKNHMIISIDA EKAF DKIQQRFL LKTLNKLIGDGYF KIIRAIYDKPTANIILNGQKLEAF PLKTGTRQGCPLSPLLFNIVLEV LARAIRQEKEIKGIQLGKEEVKL SLFADDMIVYLENPIVSAQNLL KLISNFSKVSGYKINVQKSQAF LYTNNTQTESQIMSELPFTIASK RIKYLGIQLTRDVKDLFKENYK PLLKEIKDDTNKWKNI PCSWVG RINIVKMAILPKNWKKTTLKFI WNQKRAHITKSILSQKNKAGGI TLPDFKLYYKATVTKTAWYW YQNRDIDQWNRTEPSEIMLHTY NYLIFDKPEKNKQWGKDSL FN KWCWENWLAICRKLKLD PFLT PYTKINSKWIKDLNVRPKTIKTL EENLGITIQDIGMGKDFMSKTP KAMATKAKIDKWDLIKLKSFC
13943	44311	A	14025	1	1023	MGAIDKPTANIILNGQKLEAF PLKTGIRQGCPLSLLFNIVLEV LARAIRQEKEIKVIQVGKEEVK LSLFADDMIVYLEDPHISAPNLL KLISNFSKVSGYKINVQKSQAF LYTNNRQTESQIMSELPFTIASK RIKYLGIQLTRDVKDLFKENYK PLLKEKEDTNKWKNI PCSWVG RINIVKMAILP/KAICRKLKLD PF LTPYTKINSRWIKDLNVRPKTIK TLEENLGNTIQDIGMDKDFTSK TPKAMATKAKIDKWDIK LKSFC CTAKETTIRVNRQPTWEKIFAI YSSDKGLISRIYNELKQIYKKKS NNPIKKWAKDM/NRHFSKEDIY AAKRHM
13944	44312	B	14026	1	2206	
13945	44313	A	14027	1	1689	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13946	44314	A	14028	1	2523	MKQFLLYLDESNALGKKFIIQDI DDTHVFVIAELVNVLQERCHTR LGYTEFLVAWRVTFGLCVEAV TLHLKYQILIRGALLEMMSFSDA DILKQLPVTVPGLFPASLSPSSL LGNSPPSWLRHNSESKEVSAVSS PSATKTLSTGIGKLDPGHKEMA EESELLKNKMQAPPLSRCPEQ KCQHQLRLHHWKPSVRHQVKR RSPAVLRSAMPPADCPAVLEAT TATHPEKGTALSKHLPSSDSMS LKVDVEALENSPGATYIWKGG KVTRDSQPKEQGKGDLLKKKKK GKLPKNYDPKLTDPERWLP QECIFYQGRKKGKKKDQMGK GTQGATAGASSEL DARKTVSSP PTSPRPGSAATLSASTSNIIPRH QRPAGAPATKKKQKQKKKKG GKGFPVLREITVVKVDLTVVFQ ILEERLSVFHIQYDTSYPFSTVDI EDHECAVWLLLRKSKSDDKTT RLEAVREMSETHHWHDAEKAF DKIQPFMLKTLNKFVGDGT LKIIRAIYDKPTANIILNGQKLE AFPLKTGTRQGCPSPLLFNTV LEVLAIRAEKEIKGIQLGKEE VKLSLFAGDIIVYIENSIVSAPKL LKLISNFSKVSEYKINVQKSQAF LYTNNRHTEQIMSKLPFTIATK RIKYLGIQLTRDVKDLFKENYK PLLNEIKEDTNEWKNIPCSWVG RINIMKMAILPKVIYRFNAISIKL
13947	44315	A	14029	1	2868	
13948	44316	A	14030	1	3099	MGELITPLSTLDRSTRQKVND TQELNSALHQDLIDIYRTLHP KSTEYTFFSAPHHTYSKIDHILG SKALLSKCKRTEITNYLSHSA IKLELRIKNLTQNRSTTWKLNN LLNDYWIHNEMKAEIKMFFET NENKDTTYQNLWDAFKAVCR GKFIALNAHKKRQERSKIDTLT SQLKELEKQEQTHSKASRRQEI TKIRAELEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
13949	44317	A	14031	2	3419	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13950	44318	A	14032	1	2685	MGDFNTPLSTLDRSTRQKVNK DTQELNSAPHQADLIDYRTLH PKSTEYTFFSAPHHTYSKTDHIL GSKALLSECKRTEIITNYLSDDS AIKLELRIKNLTQNRSTTWKLN NLLDDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFVALNAHKRKQGRSKIDT LTSQLKELEKQEQTHSKASRRQ EITKIRAELEIETQKTVQKINES RSWFFERINKIDRQLARLIKKKR EKNLIDAIKNDKGDITDPTEIQ TTIREYYKHLIYANKLENLEEM DKFLDTYTLPRLNQEEVESLNR PITGSEIVAIINSLTTKKSPGPDG FTAIFYQRAIRQEKEIKGIQLGK EEVKLSLFADDMIVYLENPIVS AQKLISNFSKVSQYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLGIQLTRDVKDLFEN YKPLLKEIKEDTNKWKNIPCSW VGRINIVKMAILPKVIYRFNAIPI KLPMFTFFTELKKTTLNFIWNQK RAHIAKS/VLSQKNKAGGITLP DFKLYYKATVTKTAWYWYQN RDTDQWNRTEPSEIMPRIYNYL IFDKPEKNKQWGKDSL FNKWC WKNWLAICRKLKLDPLTPYT KINSRWIKDLNIRPKTIKTLEEN LGITIQDIGMGKDFMSKTPKAM ATKAKIDKWDLIKLSFCTAKE TTNRVNRQPTKWEKIFATYSSD
13951	44319	A	14033	845	1616	ARAEVKLSLFADDMIVYLENPII *ARAEVKLSLFADDMIVYLENP IISAQNLLKLISKFSKVSRYKINV QKSQAFLYTNNRQTESQIMSEL PFTIATKRIKYLGIQLTRDVKDL FKENYKPLLNEIKEDTNKWKNIP PCSWIGRINIVKMAILPKVIYRF SAIPIKLPMFTFFTELEKKNWLA ICRKLKLDFFFIPYTKINSRWIKD LNVRPKTMKTLEESLGNTIQDI GIGKDFMTKTPKAMATKA/KKS FCTAKETTIRVNRQPTWEKIF AIYPSDKGLIS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13952	44320	A	14034	707	2878	TLMQKSSIKYWQNESSSTSKSL STMIKWASSLGCKAWFNIRKSI KVIQHINRAKDKNHMIISIDAEK AFDKIQQPFMLKTLNKLIGDGT YFKIIRAIYDKPTANIILNGQKLE AFPLKTGTRQGCPLSPLLFNIVL EVLARAIRQEKEIKGIQLGKEEV KLSLFADDMIVYLENPVSAQN LLKLIRNFSKVSQYKINVQES\Q AFLYTINRQTESQIMSALPLTIA SKRIKYLGIQLTRDVKDLFKEN YKP\LLKEIKEDTNK\WKNIPCS G\EGRINIVKMAILPKNWKKTTTF \RFIWNHKRACIAKTILSQNKKA GGITLPDFKLYYKATVTKTAW YWYQNIDIDQWNRTEPSKIIPRI YNNLIFDKPDKNKKWGKYSLF NKWCLENWLAICRKLKLDPFLL TSYTKINSRWIKDLNVRPKTIKT LEGNLGNTIQDIGMGKDFMSKT PKAMATKAKIDKWDLNNLKSF CTAKETTIRVNMQPTWEKIFA IYPSDKGLISRIYNELKQIYKKK TT\NPIKKWAKDMNRHFSKEDI YAAKHKMKKCSSSLAIREMQI KTTMRYHLTPVRMAIHKKSGNN RCWRGCGEIGTLLHCWLDCKL VQPLWKS\W*FLRNLELEIPFD PAIPLLGIYPNDYKSCCYKDTCT RMFIAALFTIAKTWNQPKCPTII DWIKKMWHIYTMEYYAAIKND EFVSFVGTWMKLEIIILSKLSQE
13953	44321	A	14035	869	3869	RHKKPFKCLTNPGAEIQTIREY YKHL\YANKLENLEEMDKFLNT YTLPRLNQEEVESLNRTITGSEI EARINSLPTKKSPGPDGFTAIFY QRYKEEMVPFLLKLFQSIEKEGI LPNSFYEASIIIPKGRDITKKE NFRPISLMNIDAKILNKILANQI QQHIKNLIHHDQVGFIPGMQG WFNICKSVNVIQHINRTKDKNH MIFSIDAEKAFDKFQQLFMLKT LNKLGIDGMYLKIIRAIYDKLT ANIILNGQ
13954	44322	A	14036	2	99	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13955	44323	A	14037	1	914	TVTVIHTVARVGNLDIQIRKS ELFLSLVVCEAIKNEMNVMMLKS SPVDLVTATDQKVEKMLISSIK EKYPHSFIGEESVAAGEKSILT DNPTWIIDPIDGTTNFVHRFPFV AVSIGFAVNKKKKVDETYLGL VKETCFPLQIEFGVVYSCVEGK MYTARKGKGAFENGQKLQVS QQEDITKSLLVTELGSSRTPETV RMVLSNMEKLCIPVHGVRISVG TAAVNMCLVATG\GA\DAYYE MGIHCW\DVAGAGIIVTEAGGV LMDVTGGPFDLMSRRVIAANN RILAERIAKEIQVIPLQRDDED
13956	44324	B	14038	91	1959	
13957	44325	A	14039	28	152	LPSPSSKDTDS/AASCCAPRGRA KGSVSNRSLSFPPSSVPLP
13958	44326	A	14040	35	879	GSQCSSPPPASRCGSCSSAPSRH CPCRD FEP AVAGLARTPVLT TNPSPPARTGLNAPSMGTSLI/P ALCCFPLYQGSTELQCKAP**LP SPSSKDTDS/AASCCAPYFLVLL KVLSSVDNSSIWCSAGPPAQS/S SLYTIPMSSMSAKNCSVLRS GT WASFTCS*GSQRVSLGTPEALG TEDHTSRSLGHSVCHVDLSPA TASCSFQTASSEVSPATASCSF QTASSEVSPATASCSFQTASSE VSPAATASCSFTFSFFFCALWF GICPSCSAAVLST
13959	44327	A	14041	3	159	EHQCENPQ*NTGTPNPAAHQK AYPP*SSGLHPWDNQRQKPHD YLNRCRKGL
13960	44328	A	14042	54	245	GGGGGEAEDRLREPETEKALSS SL/RRAPDQC/RALIMQLFQAHC FFLST/QATAALQAHYAHIFPSK
13961	44329	A	14043	903	1205	WDVSQNNKSYL*QTHSQYHTE WAKTGSIPFENWHKTGMPSLT TPIQHSVGSSGQGNQTNREP NH E*TPIHNCFKENKIPRNPTYKGC EGPLQGELQTTAQ
13962	44330	B	14044	1	339	
13963	44331	B	14045	1	1547	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13964	44332	A	14046	807	1440	NTGKPNPAAHRKAYPPRSSRLH P*DLQQTPTDLQLSDLTPGRKT NKQKGIASPSTKRTSTPKPHLQ ANAQRFCHHQACVTRVPKGST KHGKEQLVPATAKTCQIVKNIN AMKKLHQLTEIQITIREYHKHL YANKLKNLEEMDKFLDTYTLR RLKQEEVESLNRPMGSEIEAIIN SLPTKKSPGPDGFTAKFYERYK EELVSFLLKLFQSIEKEGILPNSF YEASIIIPKGRDTTKKENFRPI SLKNIDAKILNKILANRIRQPIEK LIHHDQVGFIPEMKGWFKCKKS INVIHHINQTNCKNHMIISIDAE KAFDKTQQPFMLKTLNKLGTIR QKKEIKGIQLGKEEVKLSLFAD DMIVYLENSIVSAQNLLKLISNF SKVSRYKINLQKSQAFLYTNNR HMESQITSELPFTIDTKRIKYLGI QFTRDVKDLFKENYKLLLNEIK EDTNKWKNIPCSWIEESIS
13965	44333	A	14047	603	764	LPLFLIEYPLFLSLA*LPWPKLPT LC*IGVVREGIPVLCCFSKGMLP VFAHSV
13966	44334	A	14048	1566	1865	MQSIRKTIGIHAKYDKACRNGE DICLRETNSAADTQAKRV*SGP PANSNRPAAECPDC*KEN*QTE RTSTPKPHLYVTIHKDQGRGTQLL TNNGTKLDRE
13967	44335	B	14049	1	1932	
13968	44336	A	14050	711	1575	TRKFRRNG*IP*HIHPKTKSGR SRI/FNRPI TGSEIEAIINSLPTKKS PGPDGFTAIFYQRYKEELTNIL DEHRCKILNKILANGIQHDIKKL IHDDQVGFIQGMQGWFNIRKSI NVIQHVNRTRDCKNHMIISIDAE KAFDKIQPFMLKTLNKLIDG MYLKIIIRAMYDKPTANIILNGQ RLEAFPLKTGTRQGCPLSPLLFN IVLEVLARAIGQEKEIKGIQLGK EEVKLSLSADDMIVYLEKPIISA QNLFKLISNFSKVSDTKSMYKN HKHSYTPITDKQRAKS



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13969	44337	A	14051	1	1579	MQGWFNVRKSLNIIHHINRND KNHIIISIDAEKAFDKIQPFML KTLNELGIDGTYLNIIRTIYDRP AANIILNVQKLEAFPLKTGTRQ GCPLLPLLFNIMLEVLARAIQE KEMKGIQLGKEEIKFSLFADDII VYLENPIFSAPNFLKLISNLSKFS GYKINVQKSQAFLYIINRQTESQ IMSELRFTIATKRIKYLGIHLTR DVKDLFNENYKPLLNEIKEDTN KWKNIPCSWTGSINIVKTAILPK VIYRFNAIPIKLQLTFFTELEKTA LKFMWIIQGYNSQNSMVLTLV IPRKMRSVELQQTSTDQLRD LTVRKKTNKRKATASTSQKGH LHQNPICRSPTSKTEVGFRRSV ITNFSELKEDVRTYHKEAKNLE NRLDEWLTRINSVEKTLNDLKE LKTMDLHDACTSFNRRFDQ VEERVTVTEDQINEINDGENGT KLENTPDIIQENFPNLAISRPTF KFRKYREHYKDTPREEQPQDT* LSDSPRLK*RKKC*RQPERKVE LPTKGSPSD
13970	44338	A	14052	50	1105	TRKSRRNG*IPGHIYPPKTK\QE EGESLNRPTGSEIEAINNLPK KSPGPDGFTAKFYQSTNNKNH MIISIDAEKAFHKIQPFMLKTL NKLIGIDGTYLKIIRAIYDKPTAN IILNGQKLEAFPLKTGTRQGCPL SPLPFNIVLEVLARAIQEKEIN CIQLHNEEVKLSPFADDMIAYL ENPIVSAQNLLKLISNFSKVS GYKINVQKSQAFLYTINRQTESQI MSELPFTIATKRIKYLGIQLTRD VKYLFKENYKPLLNEIKEDTNK WKYIPCSWIGRINIVKMAILPKV IYRFNAIPIKLPMTLSSQNWKKT TLKFIWNQKRARIAKSILSKKN KAGSIMLPDFKL
13971	44339	A	14053	1	764	MQGWFNVRKSLNIIHHINRND KNHIIISIDAEKAFDKIQPFML KTLNELGIDGTYLNIIRTIYDRP AANIILNVQKLEAFPLKTGTRQ GCPLLPLLFNIMLEVLARAIQE KEMKGIQLGKEEIKFSLFADDII VYLENPIFSAPNFLKLISNLSKFS GYKI*FPLFLIEYPSFLSLA*LPW PALPTLC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13972	44340	A	14054	1	344	MGINQRRKAENSKNQSSASPTK DCSSSPAKEYSWTENDFEELTE VGFRQANAERFCHHQVCPKR APEESTKHGKKQ/RSISHCKNM PNCKDHRCYEETASTDSLAETQ QQKREF
13973	44341	A	14055	301	370	DDGVF*IDNHVICKQRQFDLFS
13974	44342	A	14056	1	1418	MVREGFPPEVTFELKNELEISK GQQMGKNIPDTGASSAKALGE RELGTLDKMKNSPSDGSKKDIR THRKEAKNLEKRLDEWLTRINS VEKTLNDLMQLKTMARELHDA CTSFNSQFDQVEERINKIDVRLA RLIKKKREKNQIDAINKNDKDIS TDPTEIQTIREYYKHL YANKL ENLEEMDKFLDTYTLPRLNQEE FESLNRPIIGSEIEAVSNLPTKK SPGPDGFTAIFYQRYKEELVPF LLKLFQSIEKEGILPNAFYEASH LIPKPGRDTTKENFRPVSLMNI DAKILNKILANRIQQHIKKFIHH DQVSFIPRMQGWFNICKSINIHH HINRTNDKNHMIISIDAEKAFDR IQQPFMLNTLNKLGIDGMYLKII RTIYDKPTANIILNGQKLEAFPL KTGTRQGCP/ATPVQHSVGS SDQGSQARERNKGYSIRK*GSQ IVSVCR*HDCIFRKPRLSPKSP
13975	44343	A	14057	1240	1596	CYSFLFVRCPSDSQVPQLQVC/C EFAGGPLQTVFAWVSPAEEVVE MFLQG*RKPFYMSY/TSFEMAL MKVWTMVRTSASPVGDFVGR GWSPFPTSTVGALT VFGVSPGS CRSSPLPSERLWV
13976	44344	A	14058	507	971	PANQKKSRRRIHSQILPEAQR GAGTIPSETIPINGKRGNNPKLIL *SQHHPDTKAWQRHNRKREFY TDIPDDH*CKNPQ*NTGKPNPA AHQKAYPPRSSWLHLWDARLV QRTQISKRNSSYKQNRQKPHD YLSRCRKGLQQNSAALHAKNS
13977	44345	A	14059	561	758	
13978	44346	A	14060	2364	2663	DGQLTLVSILNHYSLAQSCEY* DGECFCLHCSASPFL*EGAQST ACTAPPECFASDLGAV*LPQHS WCSTLLLEGAPWPGTLGTAPQF QHRKLGTNLAG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13979	44347	A	14061	1	64	MPIGKVGEYYIKGTLRATKESE QQSSALELSSDRVYLNEKEPGD QPWNAAFVFRGCGVALALRPP HLGWGEPRWAGFRGAFGFPFS TLNPSNWSLTLIIQGCKQEGFYS PSMRPRVVPKRGSAPKVR A EEN AALPSRCPPGPLPVAQP/TGPAD GGSCEQCPSCGCGCCQLPPPLP WFPR*TPCDKRV
13980	44348	A	14062	1	774	MFVWSNVEGHSVAMFPWYSIP FLNPPCSHTRPSNLPVTQWPPT ENNLPWQLLLTSIHQAQFLSA LHKEQGSSEKDG RSPNKWDK DHIRCPMS\AVMIFSKRHQAL/V RAHQGHPNQDNWTVSQMLSK WWYTLGPNERQKYHELAFQAT AALQAHYVHIFPSKGRWELLH GSQRLDWGRCQLKLLGQQGQ DVLHTNLGKEENSSCWGYKME CEEFGPQGGDCGLGGVHAPL LSPEGLDSEQNTLIMGDIHCA KKLP
13981	44349	B	14063	1	753	
13982	44350	A	14064	2	1457	YPRRRPSRAGVLAGPAVLGPP SSPGRPRRAAFFAEPFSARRS PRRAAVLAVPPSPRRRPRRAA VLAAPRVLAAPPSPRRRPR\PP PSSPRRRPRRAAAGSLPGAELP QSSRLAAHL\AAD*PDS*IAAGA VPRGWEGLTIMAEGKEEQVTF YVDGSRQRAYAEKPPVVKTIRS CTV/SGHSRHNSSSGM*/SSPNSP /IPFQFTFQIPSLQAALWLCL*V TWHFFVR*PVLSSRHCFSPGGLF SLSLQSAGCPAGSLQAEFVALP PGGQSR LHRTRAS*VPGAFQEK CPLERVWPFHPSKQHPRNGLAF PLP*APQRTQPAEDTLPRHPEM GLILSQGTAG/PGRECQATQLPA QSHAEVLHFGGAMSGQLSLV GPQDSKRTARLTDSQHLGSPT* QPPGLTEGTSLEQG**S*MGWM VGVIAGAPSGWSGSSGPSEGTP LFSSPA*LPWPELPTLC*IGVVR EGIPVLCQFSKGMLPVFAHSA
13983	44351	B	14065	72	1235	
13984	44352	B	14066	1	2715	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13985	44353	A	14067	50	1304	TRKFRRNG*IP*HIHPPKTKSGR SRI\FNRPI TGSEIEAIINSLPTKKS PGPDGFTA EFYQRYKEELTNIL DEHRCKILNKILANGIQHDIKKL IHDDQVGFI PGMQGWFNIRKSI NVIQHVNRTRDKNHMIISIDAE KAFDKIQQPFMLKTLNKLIDG MYLKHIRAMYDKPTANIILNGQ RLEAFPLKTGTRQGCPLSPLLFN IVLEVLARAIGQEKEIKGIQLGK EEVKLSLSADDMIVYLEKPIISA QNLFKLISNFSKLSGYKINVQKS QAFLYTNNRQTESQIMSELPFTI ATKRVKYLGIQLTRDVKDLFKE NYKPLLNEIKEDTNKWKNI PCS WIGRINIVKMAILPKCKTVGLLS NISTHKS AVHALVEAGGIPSLIN LLVCDEPEVHSRCAVILYDIAQ CENKDVI AKY
13986	44354	A	14068	1	1155	MFVWRNVEGHSVA VFPWYSIP FLTPPCSHMRPSKLPVTQWPPT RENNLP SWQLLLMSVHQAQSL SALRKEQDSSSEKDGRSPNKW DKDHIWWPMS\AVIIFSKQHQA L/VRAHQGHPNQDNRTISQMLS EQWYTLGPNEMQKYDLAFQN VEARIRY/CHRPKRARFLSHAS PPWRQLPAAGAEASGAWNLP GGG*HDYNRCSVPVFRTEVSTR PRPSEICGLTQE*TLLSAKSQVG NTFGFAGHTISDTTTPCGLCTSK AAIEVPEADTLPHICSWHKGEE CGLRGPEPSSPPRPSLAARVSA GRGALRRRRRPEVPP\SRAPRSA ATATPANEQRAVADV GQWAR ARGGRVRAAGRSGLLRVKMM KMKTVMIHFLMKDEYIFSS
13987	44355	A	14069	1331	1584	SLQRKAARFASSTVPRRPQGIL PIISFSNPVPGSRRLKAPLVFIGP G*ITLNRIPYLP HSAARDPFTWN TFSFLLPCEEVPST
13988	44356	B	14070	1	1248	
13989	44357	B	14071	1	459	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13990	44358	A	14072	1	2156	MGKKQSRKTGNSKNQASPPP KERSSSPAMEQSWMENDFDDL REEGFRQSNYSELKEEVRTHGK EVKNLEKKLDEWLTRITNAEKS LKDLMELKTTARELHDECTSLK RVSVTEDQMNMKREEKFREK RIKRNEQSLQEIWVYVVRPNLH LIGVPESDRENGTKLENTLQDII QENFPNLVRQANIQIEIQRTPQ RYSSRRATPRHIIVRFTKVEMK EKMLRAAREKGRVTHKGKPIR LTADLLAETLQARREWGPFI LKEKNFQPRISYPAKLSFIDRST RQKVNKDTQELNSALHQADLI DIYRTLHPKSTEYTFFSAPHHTY SKIDHIVGSKALLSKCKRTEIT NCLSDHSAIKLELRIKKLTRNHS TTWKLNNLLNDYWVHNEMK AEIKMFFETNENKDKTYQNLW DTFKTVCRGKFIALNAHKRKQE RSKIDTLTSQKGLEKQEQT KASRRQEITKIRAELEIETQKT LQKINESRSWFFKINKIDRPLA RLIKNKREENQIDAIKNDKGDIT TDPTEIQTASEYYKHL YANKL ENLEEMDKFLDTYTLPRLNQEE VESLNRPI TGSEIEA IINSLPTKK SPGPDGFM/RRILPEGQGGAGTI PSETVPINRKRGNPP*/PHFM/SA SIMLIPKPGRDTTKKENFRPISL MNIDAKI/RQ*NTGKPNPAAHQ KAYPP*SSGLHPWDARLVQLTQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13991	44359	A	14073	3	1794	AMLPMELGCGPLPEPLPVGCSR FSLFK*QTCISTVP/GYMVTAQS MSSTPPPPSPSTLPSSSPPPPLPQ PLPPPPSPPTLSSLSSPSPRPPL VSPSTLPSPQPSSPQPLLPSSSP SLSPPPPPSPPLSPSPSAIPSLPPP SPQPLPPPPSSPPSLPSPLPPP PLSSSPSSPLSPSPPPSPPSLPPS PPPSPPPPPQPPSPSSPLSSPP LSSSQSLLPSSLPLSSSPSL LPLSLPLSIPP*LSSLPLPPSPS LPPSSFQST*TIGQCFSL/VMWH VAPCTYLALAGNTLMAWPLMS ASSKASGGVSMFVWRNVEPCS VAVFSWYSVPFLTPPCSRVRPS NLPVTQWPPTRAKNLPSRQLLL TSVHQAQSLSALCKEQDSSSEK DGRSPNKWDKDIWWPMSGG HDLQQAAPGPGRAHQGHYPYQD NWTISQILSERWYTLGPNEQK YHDLAFQHMAGEDIASDEEHM VIHEEGVMVSLMTALAPLTL ISSSRIFGKVYGPPTSSSYTYS ASSSTLAPTSFLLGPGAFKAQES GEEAEDGLRELETEKALSSSL/R RALDQ/*LALIMQLFQAHCFFLS T
13992	44360	A	14074	1	2496	MLLSIDAEKAFDKIQQPFMLKT LNKLGHYEQHHLHTTNDVDE EDLSDAASKGDDFALSEQSQD AHFLQPEAYGLGEGAETATGT AHQGNHVRVEECGRSLCGCVP LVLHPLPDPSLQPHEAQQPASH SVACNQKQPAKLPAVAHERP PGGTGSVDPGRPPGATCPESPG PATPHTLGVVEPGKSSPPTMEE EPWAPQGSPCWTAQSLSALRK EQDSSSEKDGRSPNKWDKDI WWPMS\ALMIFSKRHQAL/V
13993	44361	A	14075	4317	5099	KMFVFLCISAQLSLQCFRGSFHF IKIYDFSQFLFLLFELPYLLLLN HFKMLELVLQQGHPNQDNWT VSQMLSKWWYTLGPNERQKY HELAFQVKVAHCNKD*KKFSS EAKPTSQGLAG\GNKGSWEWS MSETGTATAPGVSELLSVAAQ TLQSSDTK\SSFCGAEWGHP*GI GCDDVIADDGFSTDTDLKFKE WVTDES GDNSGEEPEGNGKGF GKVFAPVIPSSFT/HCRPLLDPE/ PPGSPDPPAAFGKVYGPTLSSSY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
13994	44362	A	14076	1	637	MSRVGSCRWVCGLADFKNGAT DLCDKSLHNRELSAERPLNEQI AEAEEDKIKKTYPPENKPGQSN YSFVDNLNLLKAITEKEKIEKER QSIRSSPLDNKLN/EKDVDNFQ EFGKLIDGY\DSTKEWDVWHKF QDIPNVLVGTAFNVDDGNGGF VVHWLNNKEFHFTSSTEVFMMH QLRKLSDKQVDHENDDADRED EEHSQEDRERGLHMKLDH
13995	44363	A	14077	448	464	KKRA*GSVSQRFAET*LAD*VI NTGSQEAKRREQR
13996	44364	A	14078	179	382	NTPNQRSVASNRFVKCTHQHS VKCTQSALCKMHQSAGFLKVD NHRED*KKGHSDRAKTEHGRG QIRE
13997	44365	A	14079	697	1654	PKPSVGRMGFLGTGTW\ILVLV LPIQAFKPG\GSQ\DKSLAH**ED LSAERPFE\NRLLEAEGRTFK KTYPP\ENKPG\QSNYSFV\DNL NLL\RAITEKEKIEKERQSIRSSP LDNKLNVEDVDSTKNRKLIDD YDSTKSGLDH\KFQENETADNSF SQEEPPVVAGEDLPPSPQESD VQPVPQEEVSARD\FLQRLDLQI KLSTQAAKKLKEESSSLERMRE ETSLSPTVPTKRWDTRILLIGAF YRVLIGAFYRVLMGAFYKPIAS YRALIGVFYRALMGAFYNPLV RQKSSPRPHSTQEVQLASPLTN TQITYYVIFTV
13998	44366	A	14080	72	1117	ILENHLSDRVAEGGPLQGLRLG VQGEAVPPGLVHQRGGLGPLD GELIGSVGQQVSDVEGAGSHR G*RHTGRTPAVSAGPAA*SATH TAPMWLAGW\YEPAQPGPVLV SPPTPFGQTRQASWCSA*ARCA GSWWH*HQTPGA*RVAAPAP SWSRSCP*RPTRSPAAAPPAPSR PGRAVGLATGAGHPAQHGHGR AVPTGPRAAGAGSWSELCPSS CAGTSRGR*AGTRR*AAPAGSG RPGPGAWAGPRCSRSTYAAAA CGRGGA*AGADSGPRSGTHAG HCGARCRSSTPLVPAAAGHLPP PGPGRTGDCPASSCPGPGLPHG CSLSGSWGEGWVSAARQAGLP WAVA
13999	44367	A	14081	2	269	
14000	44368	A	14082	1	591	
14001	44369	A	14083	2	477	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14002	44370	B	14084	237	419	
14003	44371	A	14085	2	1220	LPPGFVMAAAAARWNHVWVG TETGILKGVNLQRKQAAANFTA GGQPRREEAVSALCWGTGGET QMLVGCADRTVKHFSTEDGIF QGSETLPG\GEGMFRGLAQTDG TLITCVDSGILRVWHDKDKDTS F*PTPGTESGPWGCVCAKTQA HPHVVCHRLGKRMLLKIWDLQ GS\GNLCFKAKNVRNDWDLR VPIWDQDIQFLPGSQKLVTCTG YHQVRVYDP\ASPQRRPVLETT YEEYPLTAMTLTPGGNSVIVGN THGQLAEIDLRQGRLLGCLKGL AGSVRGVAVHPSKPLT*PPVRL DRVLRHRIQNPRGLEHKVYLYK VSIE/RALLLSGRDNLGG*APEP SKTQTRCP*EDTEDR*TLGDPW RQLPSGKLFGVWSSPKELSKRD GERRSGLGPPAPDAPVPTL
14004	44372	B	14086	96	592	
14005	44373	A	14087	102	612	HCAGSPHSPRSLSGTPLPGLPL WRHLRSPSAHRCTVGAPFWAG QDRSQLP*LAGRCGGRGPSGNP GCA\PACGPAGVPGGRGLGGPR TRSSQPALPAPGNEGLSTRASG CRGRTGSPSSASPPLGLSCLPAG QGWWP/GSPPCVSLPPTPWAPV RPEPPG*AAPPAPRRPVP
14006	44374	C	14088	1	636	
14007	44375	B	14089	31	612	
14008	44376	A	14090	234	504	SFYHLGAGE*PGKSRVPIPQFQS PWGPYCQGRARGGEVCHLQAV PPRGAGAARTLSGHPLGSPEQL PQGPAAELPGGVVPRSTPPCP
14009	44377	B	14091	1	924	
14010	44378	A	14092	11	354	RLSTSPDPSGAQLASPSGSHTRA AGGAACQSRAVRS/PFPSPWVV DGTGCGGAGGGARWGGSGCT GAHGVGGR\PGMAG\*GPEPCP EGRQLRPLAPVGCQ*REP\G*K NSMGETTT
14011	44379	A	14093	147	513	GSASGVVRLSRWARGLAGFRS EAADLRGECYSS*GSASGVVRL SRWARGLAGFRSEAADLRGEC YSS*KQRGPKELRSPAGFT*WIP /LPGLQVELPASAPCAPTPQPL SG*WD\GRRGAGGGARRGGSG RTGALGVG\GGSGMAGCRSRA LPPREGS



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14012	44380	A	14094	418	1026	WNP HQGCRWSCLPVPRHALAF LSPWVIDGTGRHGAGGGALWG GSGRTGAHGVGG\S*GMAGCR SRALPHGKA AKAR*E IERSASG/ TG TAGGPSTPSAATGPGAKSLI ARGQQGWPAAPSAGPAKPTPT GNSSWPASAAGSSGSCSRLS/SP HLPAS*G SGLQPWPAQKGAPTV QQQAEGLPIRLPEEWISLPFLG HQGEHSGMA
14013	44381	A	14095	897	2111	PPLLQSSPNFFLICYPWHNSHE NTHRTGRRGAGGGARRGGSGR TGAHGVGGRLRHGGLQVPSPA PWE GS*GPARNRAQRRYHCSCP GLQSGLPHYSGYHT*PDEKEKN GREGQKLER
14014	44382	A	14096	1304	1922	KL NIGVIYSSEIPDSGAQLASPS GSGTRAAGGAVCQSCALRSHSS ALGWSMG/PGRRGAGGGARW GGLGRTGAHGVGGRLRHGGLQ VPSPAPREGS*GSVRNPAQRRW AGTAGGPSTPSAATGPGAKSLI TRGQQGWPAAPSEGPAPKPTPTR NSSWPASAARSPGSRSR/RLPPH LPAS*G SGLQPWPAHYFEFFLPI GQNAQTEVSY
14015	44383	A	14097	318	533	MVCFD GADCPWVVDGTGRRG AGGGAHRRGSGRTGAREAGGR LRHGGLQVPSPARREGS*GPAS PAGCLAHL
14016	44384	A	14098	346	957	ARYTLHIPTRLGSPAGFTQWIPH RGCRWSCLPVPRRALAFLSPW VVCSFPVDGTGRRGAGGGARR GGSGRTGAHGVGGR\PGMAGC RSRALPRGKA AKARREIERSAG G/TGTAAGPSTPSAAAGPGAKS PFARG/LAGPAAPSARPAKPTST RNSSWPASAARSPGSRSWKMS LYMKKSASGQSQAQWIAKMW KSPRFKPLWLTS
14017	44385	A	14099	124	663	SCLPVLRRALTFLSPWVVNGTG RRGVGGGARRGGSGRTGAHGV GGR\PGMAGCRSRALPRGKAA KARREIHSAGG/TGTAGGPGT PSAATGPGAKSPIAPGQQGWLA ALGINGAGERLFMKVAFSLKTC SLSCSYLRLTLRGGSVHVLRG NLTVC KPQALLRVVFHHQRQ ADCGALPVP
14018	44386	C	14100	1	672	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14019	44387	A	14101	3	1759	RPLRGWRRTRDARAPRRRCRCG SHGARRCLRKTAATSRCGGAP GP\RSRPPSTGQAAEAGDW/PAG CNP*GGLRAADGPGSRPPRGS GLLCGQGGQGGSSPWVVHGTG RCGAGGGAPWGGSGRTGAHG VGGRLRHGGLQVPSAPQEGS* GSARNRAQPRWAGTAGGPSTP SAATGPGRDGEGG\ETGAHVSA LKGTPGTEWPAHGLVPYSIGDQ TCLIFKVTFAVVLKCGPQTTS STSISCPGSAN/SPPSPAG*/GSSG CGSSSLCSAHSVQEDSQPQ*KR TGLQS\TYGRSGSSSNEPRYHSD LPTSRSKLRNEDTFFGRRKKLS EVQRTGQDPA*SHHTSSYTLPG L*TAEGKDRVENAA*KGSPNFQ RSGTFNPKGGARKTRQAWHPR APNCQAGTPPREGSSGPRTSLS AAFRIPQEVVNFLISGPITRAQR HGEPESPRGQTGSPPLGKTGSE GTDRKSTGADKKSTGDRQEV EPTESPQGLDRKPTGMDRRSTG NRQKVRQIGSPLGLNRKPNGT DKKSTRNRQEVRRRQSAGARQ ERAGSSTFLRLSALCGLLDVN REQVAKQKWLDYSSRFTSGNR
14020	44388	A	14102	1879	2607	GKPSLSLHPGHKCGISRCNGNV SSRLRSPAGFTQWIPHRGCRWS CLPAPRCALALLSPWVVDGTG RHGAGGGARRGGSGRTGAHG VGGRLRHGGLQVPSAPREGS* GPARNRAQRRWAGTAGGLSTP SAATGPGAKSPIARGQQGWPA APSGGPPSPSPGTPAGPQAPH AAPVPA\PLPPLPAS*GSGLQ PWPAQKGAPTQGGG*RAPQM PPKWEPRQRRIVAFTIEVGVL
14021	44389	A	14103	2	272	GHWGMVNSPCRASATVSRGSP LPGVLPTSPPSATSTCRMCHPR RCPLPFRRLSPPSLTPP/PGKPPL LPRPHSMPGLGLPLGGLPVFHP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14022	44390	A	14104	101	1815	QSARQLRPCPGAPSLAGVENRR KKTNTLSLAAPDTQSTCGQSC GCLHSMGSSCMQHSYYTGFLR SLWPCRCHRSASFSGQRRSEED SKSVRERSGRSQNVPARPALTS PLTQSPGPLAPGAGSWRSQLG TGTGVLWWQRESATGDFRTES ARSSDPSRRDWPAGAKRKREEG AATVLWACATASTAIICQDNAI SPLKSGNSPSNHLWRPQGQLPP VLGLAQPKRWRPNRLTTSPSPS RMMARPVDPQRSPDPTFRSSTR HSGKLEPMEATAHLLRKQCPSR LNSPAWEASGLHWSSLDSPVG\ PCRP*GLRPSTHGAR\TFSGARP GLGGYSPPPEEAMPFEFDQPAQ RGCSQLLLQVPDLAPGGPGAA GVPGAPPEEPQALRPAKAGSRG GYSPPPEETMPFELDGEFGDD SPPPGLSRVIAQVDGSSQFAAV AASSHQCLSHHIPMSPSVGRNG LLTKPPSTSRRGKLTKRDDMY FVPFRSLNDMMHMLPFIEDSR WTHNLDINREQKTNPLAGPKG RPISRTQAAASTSNSKTESQIQE KTEEAPFSLRYININNRSM DPLN
14023	44391	A	14105	39	877	AGPGPPRPLPPRSSEGGPGASISL CSEVPGPSCQGRFRGGRDAMS MPWREEERSLLAGE*PS*GG*S GRGVSRKCS*PGPRGVPRPRPL RSRPRAASSE\DN SPLDQSLHR TRKTIPSSGGSTAIMPRGSSSE TFFSAPSKTWVLGIPGETFISGP AAFPVAPGGPRAAPRPSPLNSL *SGGNGGPGPPRLHFSSCGKGP PRPSNSRN\GGQSACQGGSHLV C*SHRGS LGEGHAYQGDPCSPG HPAKAPSRHAQARRSAHAAS LTSGPCDASCQAW
14024	44392	A	14106	358	546	CFPSRIRLALSRAKWP AKRSPS EPMS/PPVWSPHPDPNNTAPPK EQPPSSPGRVGRHGNWSV
14025	44393	A	14107	22	549	DHCLCSVVRNKRDSVYPLPIPP CCKTSTISPP/LVDAVRP*DISVS KRVTS CAPLEPQHPCLPTINAG R/TLARPQGAPTPNKEEGQAPG RATASGQAAPATTVLGD TTK/G PQGRHRGTSASAAGPAPFAVA DQLPPEDRAASAEGRK*AAAFP FCHRLVQDGGPPPPAAGVPGA GES

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14026	44394	A	14108	146	2616	LAAVGMASHCFRQRRQSQSPA\GLRGAGSAYSPA\EGARSSHGQ/PPWRGRRRGPGDPVRGAARCRPRAAAQPARPAARPPARPRPA P*AACCE/VPSAANSVAPSAAM *SSAGRDGASSQSRPPHAAPP RSSALPANGK/PPSPVTRAARTC GARSSNTGA*SAARPKHSAASS RHPPPA/MPLPARHA/PGGTSG RPLPTPQGSAPTSSASPRGPATP PPAGPRAPPPSPRRAAAPRPPGR QLSPAPGTPAAGGGGPPFPALR *SGSVFGRQLVGDGERGRACG ARGSAAVPALRTFVVPSTVVA GAACPLAVALPAPDPLPCSE*A PLRSG*VPQPASLFCQFRPQA WQHP*LLRAPCPRLGAAVPCV WCHSRALDSATPRWM*G*RLP AVWL\PAFPSPPFNQAFVPPCQQ NCSLQNRQTLASAKIGTEEWD IAIKIPENVEVTLELGNEQRLEE FGGLRRRQEDEGKFGTPTDWL NGCDQNADSNMDEGQGEDG GCSFGGAGLRGSGWGDQTRET FLALKANLRWPFSSAQSQTSQ EGAAGARSLKGGKKNPLKLP KKQAKKMNAFKQKQEKERK KHKELKAKASWKGLRPQVEFK NLAERRGEAAVPGCPVVAGHS WRLLSLARGCAKRARQLLPSE KLLAALREGSTRGGGAASQPQ RKLRVCMRVLDSSEDFHMDG
14027	44395	A	14109	1	885	MIISIDTEKALDKILHPFILKTLN KLGIDGTYLKIIRALYDKPTANI IMNEQKLEAFPLKSNTKQGCPF LPLLFNIVLEVLAIRAIKQEKEIK SIQIGREEVKLSLFADDMIVYLE NPIISAPNLLKLISNFSKVSQYKI NVQKSQAFLYTSNRQTEIQMM SELPFTIATKGIKYLGNHPLTRD VKDLFKENSKPLL/KELEKTTLN FIWNQKRAHIAKTMLSKNKA GGVMLPDFKLYYKAAVTKTA WLGDQVFLIPRGHISDYHMG KNLGQYPAFQDRGPCGFPQCIV PLVYRD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, !=possible nucleotide insertion)
14028	44396	A	14110	453	891	LIHLSTDALRVSGWGTVRSFSS HEAIFQTIAWGETLDNTLLSRA EVPAAFHGALCPWFJETREWQ* LLQSILLVNIWLTRHVLHSPRSL KP*FYTT*VFVCSKLGQSGWGK VAGAKLQMNNISAKQLFKVQV LFKIESLMSSSLT
14029	44397	A	14111	452	2922	KMGLAREWILRFLVLILQEIRS MRQKENKDIQDLNSALHQADL IDIYRTLHPKSTEYTFPSAPHCI/ RTYSKIDHTLGSKALLSKCKITE IITDSQTTVLSELRIKKLTQ/NRS ATWKLNS/YLNDYWVHNEMK AEIKMFFETNENKDTTYQNLW DTFKAVCRGKFIALNAHKRKQ ERSKIDTLMSQLKELEKQEQT SKVSRRPITGSEIEAIINSFTNPK RVPGPDPGFDEPNFYQRYKQEL VPFLLKLFQSIEKDGLPN*FYE ASIIIPKPGRGTTKK/EENFRPIS LMNIDAKILNKILANRIQQHIKK LLHHDQVGFIPGMQGWFNICKS INVIQHINRTSDKNHTIISDAEK AFNKIQQLFMLKTLNKLGTNG MYLKIVRAIYDKPTANIILNGQ KLEAFPLKTGTROGCPLSPLLF NIVLEVLARAIQEKEIQGIQLG KEEVKLSLFADDMIVYLENPIV SAQNLLKLISNFSKVSQYKINLQ KSQAFLYTNNRQTESQIMSELP FTTASRKIKYLGILTRDVKDLF KENYKPLLNEIKEDTNKWRNIP CSWVGRINIVKMAILPKVTYRF NAIPIKLPMFTFFTELEKTILKFR WNQKRAHIAKTILSQKNKAGGI RLPDFKLFYKATVTKTARYWY ENRDIDQWNRTEPLEIMPHIYN HLIFDKPDKNKQWGKDSL FNK WCWENWLAICRKLKLDPFLTS
14030	44398	A	14112	3	3349	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14031	44399	A	14113	294	1107	RRHRLNYIPRTAQSPHPRKAL ARSESKRDGGFKNNWSFDHEE ESEGDTDKKEGPLDAPPRP/ESG PRAPGKGL*RRSRSPGSPERGSA ARLTAEPEARNPAASTLLRRGP SSRRARRRRCGPWIKKEAAWEE EDGGRQERRLGQDLRTRTLNK SKGGIDSRISLGQHSHPHAKL WLDQSLREMEVLKIIGALIMKK KVKEIQIKSRARSTPLHDQIGTT SPRERTIASKRHPYYITPKGIRY EQDTLSRTPITTIRSRQRPLGLT ASPPPSFPTLAPPTQAIKPSLHLR EGKPTPTPGERSTRPHHPEPPRK EYALSSLYPPTYLLAPTSTDLG NAHPTQEPQFNVDATHPRQNR FIPVAGNSPKRSSQFPIVFAPKK NTTPPYLDFAAILGLHRRPPRSR FRTSYPPKEFRSSPPERTAPRN
14032	44400	A	14114	2	297	VQKSVLCSFQAGTMEGVEEKK VPAVPETLKKKRRNFADAIQFL QTVFLAF*YTLLKGRQ\VYWL VEE*HQFYKISYRKKMVQRIRQH PQSCTVQKSWWP
14033	44401	A	14115	3	754	GTMEGVEEKKKEVPAVPETLK KKRRNFaelKIKRLRKKFAQK MLRKARRKLIYEKAKHYHKEY RQMYRTEIRMARMARKAGNF YVPAEPKLAFVIRIRGINGVSPK VRKVLQLLRLRQIFN\GTFVVKL NKASINMLRIVEPYIA*EYPNLK SVNELIYKHGYGKINKK*VALT DNTLIARPLGKYGITCMEDL/IH EIYTVGKCFKEANNFLWPFKLS SALSGMK/KKTTHFVEGGDGG NRVDQINTLNRRMN
14034	44402	A	14116	1	388	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14035	44403	A	14117	1	1145	MTRNYEWLLEAESSQPIAFQK MEPQPYNSKELNSANNQCLLE KPKLRQRLKDKEYDQGHTAVQ CQSWVYVLTTPDSFCQQLILLPS TENFHECSRSDTAGHLRTGHVA SNWLSEHSPQTMPAAMQWDK KMQNTSSWFPQKAPEKVKPMS KLWQTPSQNDTLYKAVKALT SSPERNSINTNKKDVHTETSSK GHQHQRPKVDKSMKMRKNQH KKAENSONQNASSPPRNHNSSP ARERNWSENEFDELTEVVFRR WVITNSELKEHVLTCQKEAKN LEKRLEELLTRITGLEINQAEERI SETEDQLNEIKHEDKIREKRMK RNEQILQEIWAYYVK\RPKLRLIG VPENDRENGNKLENTLQDTIQE NFPELAR*ANIQIQ
14036	44404	C	14118	291	551	
14037	44405	B	14119	1	1308	
14038	44406	A	14120	82	367	ITLSSPPHSFIGHKTPASGPPQKI PPQPSQ/CKQWGDPTPVEAC/CV SCPTQGFISPTRGGPPCKHESLV VPLVGTPRRNQPGGHIQHSQR WAPVLT
14039	44407	A	14121	999	2661	VHLTGCGGPGQPVPPEAPPRGL RSMRC/GP*GFSPGAEA*TEP/C HYGGRGFPCGPFSLGCLAT\NSP WLPGRPPCSPWAG\CGLCPLP AAAAERQPALSVPGASPCRL PLVVLCHGSHLNGGRVLLRPG GSPCGHCHNCAGARRGLGHVL QGGAQARQREQLQR
14040	44408	B	14122	164	1042	
14041	44409	B	14123	320	566	
14042	44410	B	14124	1539	1674	
14043	44411	A	14125	185	780	QKAKKGKLRKSKQNSFPGLKK TVPSQLVQYCPSF*ISWKPMVY QKVPA*PRPPRTPDHHPDGP PHPRQHHPSPDAEP/SPTTPT RRRPPTQPPDHPKRPSPHSPH PPQQPPTPTATPTEQQRHTAPP TPRPPTTHPPSTPKHPA\PH TAPP PTKNTKPPTPQRTTQDKGRQKK PRRQPHHSEPNKKSPKAHI
14044	44412	C	14126	1	1128	
14045	44413	A	14127	319	536	
14046	44414	C	14128	231	425	
14047	44415	B	14129	1	1431	
14048	44416	A	14130	75	393	
14049	44417	C	14131	174	371	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14050	44418	A	14132	79	164	
14051	44419	A	14133	343	775	
14052	44420	A	14134	554	724	SEGPSKEPTHRRMKFSHHDDLI FLDLSN*QPPNSPEPHPPQSP*KP WPQNPSSRQM
14053	44421	A	14135	20	242	VSFLSMGSGHCIRSTRGSKMVS WSVIAKIQEI*CEEDERKMARES LAESMSTYVMMNHTYDS*GK THILIMKK
14054	44422	A	14136	229	366	
14055	44423	A	14137	131	505	
14056	44424	A	14138	1	1317	AGCSCGSRAMAEQGRERDSV PKPSVLFLHPDLGVGGAERLVL DAALALQARGCSVKIWTAHYD PGHCFAESRELPVRCAGDWLPR GLGWGGRGAAVCAYVRMVFL ALYVLFLADEEFDVVVCDQVS ACIPVFRLARRRKILFYCHFA DLLLLTKRDSFLKRLYRAPIDWI EEYTTGMADCILVNSQFTA AVF KETFKSLSHKDPDVLYP\SLNV TSFDFSCS*KAGMT*SPRGKNS WLLSINRY\EREGKIWT LGTGK ALVQLRGRLTSQDWERVHLIV AGGYDERVLENVEHYQELKK MVQQSDLGQYVTF\LRFSFSDKQ KISLL/RQLARVCFYTPRQ*GTL GIVPLGRPCYMAVPQFICCLIRV GPF\GSSI*PQCSQGFCVEPDVH FSEAIEKFIREPSLKATMGLGWE EPE*REKFSPGSILQEQLYRYVY
14057	44425	A	14139	1	648	MESKEEQGGVADHQKATRGIP TPQPREVVSERATQRGNRAFST KLCNPKTNRKQQQQYQQQQK GRKTLPKGQHPQRSKLDKLTE MRKHQQKNTKNPKGQSPCSPP NDCNVSPARVHNWTGDEMEEL TEVGFKKWVRKNCAELKEHVL TQCKEAKNLDRLEELLTRKTS LERNINDLMELKT/RA*ELCKA YTSINS*IDQAEERJSEFEDHLAE



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14058	44426	A	14140	1	1365	MPVKGGTKCIKYLLFGNFIFW VSEDCRALLSGPTCSRAPDTG RGRECRQLALPAPGRHRAGRES ALRLPAGSKAGSRAGRDGRDG RIRVGVSGLTFLGSTTGLFNQSL AETGFTPYTQKSNDLVKSLKI WHTYFKNFHQEARLYIRTSPGS NWNWFCTLGIESPEQPGVYEG QRPRVVTKSFASTLTKRVGTVL LLAARINADVLYVLQLAGIAVL AIGLWLRFDSQTKSIFEQETNN NNSSFYTGVIILIGAGALMMLV GFLGCCGAVQESQCMLGLFFG FLLVIFAIEIAAAIWGYSHKDEV IKEVQEFYKDTYNKLKTKDEPQ RETLKAIHYAVCRLGKDTLLRF LRIVSAHRLNCCGLAGGVEQFI SDICPKKDVLETFTVKSCPDAIK EVFDNKFHII GAVGIGIAVVMPS FRSNHPDPHVSSYLLIFGMIFS MILCCAIRRNREMV
14059	44427	B	14141	98	1064	
14060	44428	A	14142	560	964	KRLPRILGIRGKPCCPDTSRAGR RVRGRAAAPCREAARGRGQRR FLPPTWRCETGAATMFPSPALT PTPFSVKDILNITVRPRS/LGQAA LTKRLSASLSPQSCARCRRRWS CVILSAVRGN*YAGSRAHRDCT Q
14061	44429	C	14143	189	452	
14062	44430	A	14144	1	647	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14063	44431	A	14145	890	2905	LRLSLKFPMSQWTPPEYNELTYL KVDKSEIPSDAPKTQESLKGIL LLHPEPIGAAKSFPAGVEMINSK VGNEFSHLCDDSQKQEKEMNG NQEQEKSLLVVRKKRKSQQAG PSYVQNCVKENQGILGLRQHL GTPSDEDNDSSFSDDLSSPSSSL HFGDSDTVTSDDEKESVSRHSQ TILNAKSRSHSARSHKWPRTE ESVSGLLMKRPCLHGSSLRRLP CRKRFVKNNSSQRTQKQKERIL MQRKKREVLARRKYALLPSSSS SSENDLSSESSSSSSTEGEEDLF VSASENHQNNPAVPSVTYGP WSKNIKEKTLEINSSQALTAYE CLHSAHVINLISPFYHHFPSSQE RSYLSTLSTLSNKKTGSVWFTR SPKVTQFFPGGAITGTLQRPER EILRPLALPGKGNTPPYFCSPSM GTHCPTSPNEMNQISEDAA APVRDIYIKPPSPWDRAPGGRG GCGHSFSRLKSPYLRALKSAAD FPAQHSSSDKGQAASSGSLTP VYPVWVTPPSRGRQTPHRGEL WLASDGCPSGRKLPEEGTGSNL CCSAASAGDTQANRDHNSSPA REQWTENKFDKLTEAGLRRW VINSSELKEPVLQCKEAKNLE KRLDESPTRITSSEKNINDLMEL KNTAQELHEEHTSINSQ/DQAE*
14064	44432	A	14146	1	737	LNRGEQRAVRYYYSHMKLNMA EEEDYMSGFLH*CPRRYQTRIA NAKANPRSPSKR\EKQQEANKL NRQKSLKEEQERRDIGLKNAL GCENKGFALLQKMGYKSGQAL GKSGKSGIGHEASLKRKAEEKL ESYRKKIHMKNQAEEKAAEQF RMRLKNKQDEMKGDLRRSQ RACQQLDVQKNIQVPREAWY WLRLEETEEDDEEKEQDEDEY KSEDLSIKKTYLQIVQDQLLQI MTKIIPNKVET
14065	44433	A	14147	1	1860	
14066	44434	A	14148	1	1203	
14067	44435	B	14149	1	1119	
14068	44436	A	14150	1	1407	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14069	44437	A	14151	1	1731	ERSSSPATEQSWMENDFDELRE EGFRRSNFSELKEKVRTHHKQD KNLEKRSWFEKINKIDRPLAR LIKKKREKSQINAIKNDKGDITA DPTEIQTITTEYYKHLANKLE NLEAMDKFLDTYTLPRINQEEV ESLNR/LNNRL*N*GNN**LTNQ K/NVQDQMD*QLNSTRGTRRS WY/RFLCLKFQSIEKERILPNSFY EGILLIPKGRDNTKKDNFKPIS LMNMDAKILNKILANRIQQHIK KLIHHDQVGFIPGMQGWFNICK SINVIQHINRTKDKNHMIISTDA GKAFDKIQQPFMLKTLNKLID GMNLKIIRAIYDKPTANIILNRQ KLEAFPLKTGTRQGCPLSPLLF NIVLEVLARAIQEKEIKGIQLG KEEVKLSLFADDMIVYLENPV SAQNLLKLISNFSKVSQYKISVQ KSQAFLYTNNRQTESQIMSEIPF PIASKRIKYLGIQLTRDVKDLFK ENCKPLLKEIKENTNKWKNIPC SWIERINIVKMAILPKVIYSFNAI PIKHPMTFFTELEKTTLKFIWNQ KRARITKSILRQKNKAGGITLPE FKLYYKTTVTKIAWYG
14070	44438	B	14152	1	906	
14071	44439	A	14153	3	553	EHSSSPATEQSWMENDFDELRE EGFRRSNYSELKEEVRTGKEV KNLEKKLDEWLTRITNAEKSLK DLMELKTTAREICDECTSLSSR CDQLPRPDGFTAIFYERYKEEM VPFLLKLFQSIEKE/VNPP*LT* GQHHPDTKAWQRHNKKREF*T NIPDEH*CKNPQ*NTGKPNPAA HQKAYPP
14072	44440	A	14154	1	909	MKAEIKMFFETNENKDTTYQN LWDTFKAVCRGKFIANVHKKR KQERSKIDTLTSQLEKEKQEQ THSKASRRQEITKIRAELEIET QNTLQKINASRSWFFERTNKID RPLARLIKKKREKNQIDAIAKND KGDITDPTEIQTITREYYKHL ANKLENLEEMDKFLDTYTLPR NQEEVESLNRPIGAIEAIINSL PTKKSPGPDGFTAIFYQRYKEE LECSSSPAMEQSWTENDFDDL EEGFRRSNFSELKEEVQTHRKE AKNLEKRLEKWLTRITNVEKS LNYLRELKTMARELC
14073	44441	A	14155	1	969	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14074	44442	A	14156	377	687	LLEGKLTNRKDIHTKTPSV/SPP SSKTKEHSSSPAMEQSWMEND FHELREEGFRRSNFSLKEEVR THRKEVENLEKRLDEWLTRITK VEKALNDLMELKTMARE
14075	44443	A	14157	1	711	
14076	44444	A	14158	1	831	
14077	44445	A	14159	1	744	
14078	44446	B	14160	1	1479	
14079	44447	A	14161	1	810	
14080	44448	A	14162	3	651	
14081	44449	A	14163	2	1067	
14082	44450	A	14164	2	2063	
14083	44451	A	14165	1328	1639	PTNAHETSGRYIAGSSEKRTSA RTCGGTSAARPAQTSMQTRC RQPPSS*HAVPRVAQSSDGL KATHPQAYQPCGHTPTRLPQES NCIEHERGLGKKKKKKK
14084	44452	A	14166	1	620	MTLGYGQRGANKDLRTGFDPD LCTMDNFAEGDFTVADYALLE DCPHVDDCVFAAEFMSNDYVR VTQLYCDGVNDSFLIGGLLRIG CKIENERSSSPAMEQSWTENDF DELREEGFRRSNYSELKEEVR/T NGKEVRNFEKKLDEWITRITNA EKSLKDLMEKTTARELCDKC TNLSNRCDQLEERVSAMEDEM NEMKHEDKFREKE
14085	44453	A	14167	1	514	MGKKQNRKTENSKNQRTSSSP KERSSSPAAEQSWMENDFDEL REEGFRRSNFSELKEEVRTHGK EVKNLEKRLDKWLTRITNTQKS LKDLMEKTTARELHDECTSLT NQFDQLEERINNIEDH*QD**R RKERRIK*MQ*KMIKGISPLIPQ KYKLPSSENTINTSMQIN
14086	44454	A	14168	1	366	MDTFLQAERKDYMEAYELIEQ EEQGEREPVAVNNILSTEALMA NAKSTLMFYAVGFLWQPGGGR GHKAASNPGVTRDVVGLSSLT FLRGERSSSPAMEQSWTDNDFD ELAREEGFR*SNFS
14087	44455	A	14169	1	1026	
14088	44456	A	14170	1	3906	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14089	44457	A	14171	1643	2721	IKPTKMGKKQSRKTGNSEKQST SPPPKERSSSPAMEQSWMENDF DELTGAGFRRLVITDFSELKED VQTHHKEAKNLEKRLDKCRTN G*LEWMNG/ITRITNAEKS LKDL MELKTKARELHDECTSLRSRFD QLEERVSVMEDQKK\MNEMKR EGKFREKRVKRNEQSLQEIWD YVKRPNLRLIGVPESDGENGTK LENTLQDIIQENFPNLARQANV QIQEIQRTPQRYSSRRATPRHIIV RFTKVEMKEKMLRAAREKGQ VTLKGKHIRLTVDLSAETLQAR REWGPIFNILKEKNFQPRISYPG KLSFISEGEIKYFTDKQMLRDFV TTRPALKELLKEVLNMERNNR YQPLQNHAKM
14090	44458	A	14172	351	898	SGVTAPWRPNGLTLITAATASH PVLAI PAHLCSRPCSFLTTVTC SGPQHHAARGRVPFHC/SECGK SFRYRSDLRRHF/ARHTALKPH ACPRCG/KGFKHSFNLANHLRS HTG/ERP YRCSACPKGFRDST/G LLHHQVKTITT*PD/CGGCLVSN IVGSYSRPPWPCTRGPRRPLGSP SPAPGSVCLC
14091	44459	A	14173	1	551	
14092	44460	A	14174	3031	3207	TIHGCWWDPLSSIF*PFWGRGFI SHKICQAQISFRVISGTVLSLDK LLIMFHKAIFASP
14093	44461	A	14175	3555	3957	ENGQKTWTGTSSQRRYTGDRM AQIQNPDTKCW*ECKATGTRIH CWWECKMVQPLWKS\WQFLT KLSILLPYNLAII LLGNYPNALK MYAHTKGFTCMFIAASFIIAKT WKQPRRPSVGEW/INN L*LVQT MEYYSAL
14094	44462	A	14176	3	883	CQPYPRPRPRTGTHGSCQPPSQ GSAEP*G*CLPTLLRMALKAQP TKVNPRTL DSDPDVC/S*AAHS RVLITSPSRAPWRLPSP*RRCPA GTCMPSTAT SAR*CSQRP GSSW *T*TGSSLGSQACGPSSSTAPPSS SWSACTCGCAAAARCSCAASS TRSGPTCGSSPPASSCASSTPAP GTTPSSTLT SWASSPWSTPCPGS AGPSSWSSSSSATPSASASTRTL SPGSPAAP*PWPTALSRLTEQEA VWGA WGISHGNSWDKETKLV RLPHPCSKSPCFRPSLQPYRAHR AP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14095	44463	A	14177	3	395	SAEVGAAETTLTELRRTVQSLEI DLDSMRNLKASLENSL\GILLHL ESELAQTRAEGQRQAQYEAL LNIKVKLEAEIATYRRLLEDGE DFNLGDALDSSNSMQTIQKTTT RRIVDGKVVSETNDTKVLRH
14096	44464	A	14178	2	1044	AKTSSQMPSQPQEGMCGKACTP ALSQADSLCPLLRLASEVEGYS LPACAEPYVQSECLSHLSVWSL QHALSSLASMSFTTCSAFTNYW SPGSVQVPSYGTQPVSHAASVY AGLGGSGSRISVSHFTNG\GGLA GMGGIQNEKETMQSLRDRLAS YLDVRGLETENWKLESKIQEH LNVTRL*LETEIEALKKELLFM KKNNEEEEAKGLQAQIASSGLTV EVDAPKS/QDLAKNMADSRAQ YDKLARKNREELDKYWSQQIE ESTRVVTTQSAKVGAEMTLT ELRHRVQSLEIDLSTRNLKAS LENSLREVEARYALQMEPSLLF SKIIFGRVWEISYLHVFEKGQV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14097	44465	A	14179	1	2040	MPVPQLPPPVSRLAATAAASVT EPGPNPEAVRSASAEPEVKEGF PSQNHSVGHSLIPSGGSAVPS GRSHYGYASEDGTCSKLRVRPR LAAAPAAPFAFVADLASCCQG LSFFEGILLVRGPYRRLRATVV RDLVAVRMAEEQEFTQLCKLP AQSPHPCVNNTYRSAQHSQA LLRGLLALRDSGILFDVVLVVE GRHIEAHRILLAASCDYFMSFT TRSTFSTNYWSLGSVLATTYGA RLVSSTARVYAGAGGSGSRISV SRSTSFOGGLESGLAAGMAG GLAGMGGIQNEKETMQSLNDR LASYLDRVRSLETENRRLESKIR EHLEKKGPPQVRDWSHYFKIIE LRAQIFANTVDNARIVLQIDNA RLAADDPRVKYETELAMRQSV ENDIHGLRKVIDDTNITRLQLET EIEALK*ELLFMKKTPEEEVKG LQAQIASSG\LTVEV\DAPKSQD LAKIMADIR\AQYDELARK\NRE ELDKYWSQQIEESTTVVTTQSA EVGAAET\TLTELRRTVQVFGD STWTSMRNLK\NLENSL\GEV EARYAL\QMEQL\NGILLHLESQ LGQTPRTEAQRQAQEYEAALL\N IKVKL\EAIEICHLTRPPSWKIGE DFNL\GDS\LDERNMQTIQKTT TRRISWIGQSGVLRPIDTKVLEA LSQQEASGTLGKQEANKKFQS
14098	44466	A	14180	275	550	
14099	44467	B	14181	729	909	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14100	44468	A	14182	1	1415	MGTQCDLLAKSLEDPCVDEVE DAFQGLGKEDEEIEQFSDKTFG SGAIDDDWREAHECLAEEVK QPVAVIEQTGNGERDEMDLLD DHEENLAERLSKMVIENELEDP AIMRAVQTRPVLQPQGSLSNSSI WDGS/VSSEANPRTTACSGNAY SVCIRICFASEA/SPRVQKMIGTF LNEHYQGGQLHLSLAVLLELS P*APHLNRWLYPASPNRFCVRS LSMFGP/QMPPRYPAPYGERMS PNQLCSVPNSSLLGHPFPSVPP VLSPLQRAQLLGGALQPGRM SPSQFARVPGFVGSPLAAMNPK SQAPMFRPDTTHLHPQHRLLH QRQQQNRSQHRNLNGAGDRGS HRSSHQDHLRKDPYANMLQ REKDWVSKIQMMQLQSTDPLYL DDFYQNYFEKLEKLSAAEEIQ GDGPKKERTKLITPQVAKLEHA YKPETIICQALCRALHINYLTKA FQQAFEVSASIIITYR
14101	44469	A	14183	204	560	QGYWRGCTSSGGDGGCRGCW SPGKRR*GLSRTASGPPAAVAS PGRPRSPSARTG*S*PGA*ARP CSRTW/PPRCPLRPPSAARASA SRV/APL/GEPAPANTNIYCAAL THRATKSSTREF



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14102	44470	A	14184	59	1695	DMPWWPVLPWIKDSSPSSLEM NPDNTSGLRQKSVEAEPCLW MVHRYTPQSTGEACTMAKAA GPSSP\GSCPPRPLGADPWPMR LSH*EC*KTGTTASGYRRHQET APPESSGSPVGLSAGLWLSWA WPVSPACLHPGPPLCP/GPPALG LGPRSPAAS/C/PPLPEAPPACSP FCP*GEISSSGPLEVPVQV*LPGD LSEPPLGTSPLGRAPGLCSLLRA P/RPGAACPPASPSRPAMLLS*E APRRPGPSGETSPSPSLAPSEASP G\PPR\HHNGRDSEGAGTRTPGA SGSSKG/LGGQPAPHGPGGR*G GGRYRGSAAGSVHSAPGGCSP HAPGCA/CDVRG/AKPSHFHSG CQSG*GHQTSGGCPHLGLSPCS TCLCAGQLQQK/PGSSSGNL* GQGHSSGDLGSAPPHLVPG\PG PLTAGGHG/SLVGDSEWGSPAP GAVLGQNSSGPDQQRAGRWC SRAEKSGCYTAPPLG*LSAQFQ EEKASWVPPGSGQLEDSDPDY TALPLAAPPWGTGTGCPPAWP RL/EPDDCGPRHLSPTCSTLPS WGGCAGS
14103	44471	A	14185	264	643	RCLRPGEGRSRQGRSRTGRGK AEEGGARTRQQRRAALLPERS ASQPGPRDSPRWRRRRQTTRGR ARPASSGGT*GSSWLTAWPPR EP*RLRSASAQG/CRRQRLQQR RRGLYQPHRPATCGPRAAD
14104	44472	A	14186	114	1039	QSQRRLPLADTPRRSNRPCSAA GLLFPQSFWSQELSQGAFLLPPS SPCLHCLPGTAAASRHQRSPRT RPSVQERRETHGLCAHRCEWR AGSPAHP*AHRFVSRAGSPA GP*AHRCISRAGTPARGPYSR* VSEAGSPA/AVVSAPCSLSS*AC VTG\CSPAHP*AHRCASRAASP EHTSREDAEQAP*MQGLCPVH QEPPSRKSVVTSPHIPPETDCR LLPKNPCANKHQPTATGGRAV PPEVQHVPFRSGMTLGSHQPLA LQFQMQUATDAARLGLSPQGQG SPPGPRSTLLGCLSLFQLSLLR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14105	44473	A	14187	1	1629	MIIYVENPKQSTSKCVRAYTFS KVAGHKAIEKRLEKLAVDPHR DRAQMLKVENVQQAQQWIN KLPPARREDEDVKEIRWMIEEL RVSYFAQQLDHTGVDRGQPGA STWSASLMCSVTQPKLKTRKP GFLGLGERNCFSVYGAGRSW GRGLGSCGFWLPPRTRIRAADV CLARWGWRHRVRVLAKNS RAESMLWSFHKAIEAARTNII QAQTRVEAAQATERRIAADIDD SELKAPRDGRVQYRVAKPGEV LAAGGRVLNMVDLSDVYMTFF LPTEQAGTLKLGGEARLILDA PDLRIPATISFVASVAQFTPKT V ETSDERLKL MFRVKARIPPELL QQHLEYVKTGLPGVAWSFLYSI NQTICLR LDSIEAKLQALEATC KSLEEKLDLVTNKQHSPIQVPM VAGSPLRTTQMCNKVR/CVNP* ATVVPVPVPQPTTQYQGLDA GATTRVPRSLRSEGSQTQKSP SCGSHSQDNSSGRKAVGARRD RWWLGAGKGPDCRGAKCGLP LSGQKCPTLDPYQVVGCTSKTG
14106	44474	A	14188	3	1010	GLQTQLVPLSSPVASLDNFSNL FGADLHVEKGQVPSSDQHLSQ RCHFPKAPPWSVCKALLPRSNP ATSLSGTSKPNSSGDFNSVTKS QPHCELNSFVL TGHSPLWMM SEHDLADVQIAVEDLSPDHP VQSCGTVVVLENHVV TDEDEP ALKRQRLEINCQDPSIKSFLYSI NQTICLR LDSIEAKLQALEATC KSLEEKLDLVTNKQHSPIQVPM VAGSPLGATQTCNKVRCVVPQ TTVILNDRQN/DHCSQDGRPL EQQGTGFP GKMSLASQ*HGTNP TFPCHCAESHENKSTLSQGT V QHTLHLCGHRVEPGRHRPSSLR SGRAGWAMLNA
14107	44475	A	14189	1	1710	
14108	44476	A	14190	52	457	
14109	44477	C	14191	1	838	
14110	44478	A	14192	92	514	
14111	44479	B	14193	1	531	
14112	44480	A	14194	1628	2008	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14113	44481	A	14195	2	1616	CPPRRRPRPRAPPHRRPPAAGARTAAAGDRSRHGPPASRVGTGGQMRKTYCRNSEPSDLDDQGGSRGGPRRQSKCVRNWWVLGLTDFKNEAADPHDSGAQLASPSGFRTRAAGGAACQSRAMRSYSSALGWSMGLGAVEQGVVLVGEAQAAQEPMEWVGSGMVGCRSRAPPAGRQLRPDKKLSTAPVGRHRWRPSTPSAATGLGAKSLIARGQQGRLAAPNKTDFAKARAVKDKKEGHYIMIKGLVQKESITIINIYAPNTGAPKFTKQLPLDLRNKTDSENTIIVGYFSTPLTALNRSSRKVNKETMDLNYTLEQMDLTDIYRTFYPTTAEYIFYSSEHGTFSTDRMIGHKTSLNKFKKIEIPSTLPDHSGIKLEINSKKNLQNQTNTWKLNNLLSDHWVNNEIKMEILKFFKPNDNSDTTYQNLWDATAKAVLTGKFIALNAYIKKSERAQVDNLRSHLKELEK*EQTKPKPSRRKEIMKIRAELENEIKT/QKIQKINKSQSWFCEKINKIGRPLARLSKKGREKIQISSIRKK
14114	44482	A	14196	1097	1686	APRPLALRFGPLPSNSGAQLASPSGCTGLQVELPANSCTVRWQVSALGWSMGP/GPGAGGSADQGGSGGTGAHGGVGRFRHGAAGPEPCPMGEVAKAPARNRAQRQWAGTAGGPCASS/NSC*PGC*APYCPGWWGQPAAPSAGPPSPRPPRTRAGPQAPWAAPVPAHASP\PHLPAS*GSPLRPGIQGSKTYQKSH
14115	44483	A	14197	647	1496	FLNLLSWQNMLCGLKKKRRKQFKDYEEKVKELNEERDKYRKGSVYIYTFGKEPTLNKVLDAACDGKFQAIDFITPGTQYFMGCRWSCLPVLHICALAGLSPWVVDGTRRPGAVGSAGRGGSGGTGAHGGVGRFRHGGQLQVRSPAHEVLRPEKSSAAQWAGTAGGPCASSTADLGAKPLTARGGGPAG\PPSAGPPSPRPPRTRAGP/PSTVGSPG/SPPTPLPHLPAS*GSPSGLGQPRKGLPQCSGGLKGWLLKHRQSGCPGRGGAQSERGLRGLPARC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14116	44484	A	14198	1	560	MAALLLVGASWL/LLLLVGASWLLARVLAW/TYAFYDNCHRLQCFQQ/PPKRNCF*GHLSLCGA/TEEDMRLMEDL/VPLFRDVQLWWLGSFYFVPL/SLVHPTFTAPVLQASGG*PGFTTTMGLSFKRAKWQRLA/SEGSVRLEMFEHISLMTLDSLQKCIFSFDSHCQMVSPGSCTTSRGPRIPGALPTGGARAPENGDPKEIE
14117	44485	A	14199	175	2225	RWSSVSFASGMPSAPCCWGHPQCPSAAQPTGPSWAGCRGLTM PNGQASPAS*VPPGAFPFCLIKQPLWENLMTGVGKFSREAAATLEGPTLPTR/GVGPQCRQIADLPLE RTEGWRGD\GNPVRGVVRQKRKQLVAGETAASLLPCQASGESCSVP*QARGPPVLFLPQ\WGRRWAKGCASRSCF*PDFRPSHAVPGA REGAGLAAAPKRVARLSPAVPP ACC\GLQGGSSSAAQAL*PQLSGPRLPREK*GA/PCWRGGPRCC PQNSAPETLEYVEPRGTGAPGT THTGLPSPSQGCRGAEGW/WGLPGLPGPRAGSSQPRGRAWRPR ARTPPPASWAAKGRGRPLAAG GLARPRDPGPGSGVAPAGSLRHSSGRGWGRRRLRARPTGGNR GSEWPR/RPPGYPGARPGAPSVPRPQP/PAA*TRPLPVGCGARPFHPVPATV\VPHAGPP/SGMGRRRG RYPRPASARPAGRCGAGSAEPGRGTDKGGDGGEGKTKRGGG/LGGGAGAPKAAPGAAEPMGGRGAGAGGGGA\R*GGGGGGSG TTGSGSSSRPPRTRAPPETDPA PRPRPGLVRAAGGGAASGSG TGRGAEGCGVRAARGVPASLR AALARGAQARVLVSGPAPGWA EPRPAGGARGVGWGPVLAGP GRGPRGGAGRGPRALSRGCAA *AWTPGRGAGQRGPGSGRGS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14118	44486	A	14200	1	2850	MHPQERTAAATNAAIIITDGAA TQMGVTSTPAPGHPRDGYYQG KDVSLLAHTHSFKISAAIEAKTT WVGMCRWGCKVALDVTDFVH QKGPEGAGRNKQIPFIQDFPFAL RSEKRPSLPATISGKTLPLNTKT CPQLLQCKREGHSLQCLIWLQ MVPQLGRLAVGGCHSNWFP KKAVIWEKFKHNLSGLVSDKG GKRTGKGLGECLLMRMKMS ALEALTTFDSSLQHHPRTFPVS ALEALNPGKPRQLVTPA
14119	44487	A	14201	1	1570	MQSATSDAGSAPKKQKKVMTL QEKSGIAWYFFTAQEWNP KLRTCTESMGCCLLDCCCTGQ GDWTRVTLYCRYPFILFGTNA WVANFERPRMNANSLASPTG LSPYLRFGCLSCRLFYFKLTDL YKKTTLGSLPDAAMAFVNCHG AGGTVAVRTSRGHSRCHFGFG VSGTRYHYLTPQVWVERQQQK VDSLLGTQQMLEAQGREF/PGP CIPLPVPTNAPAAKTTQPPSPD L*PPNYLFLCVDGHRPIC*EPKQ NKSDSFTSQA*SQDG*YCGCS/C RAPRPHGTSATIPMSSSCKRFQP SSPF/CKGPYHFRFLEERPLASRP SIHPSCGSYWRLGCVAVGRTG /SRLNLQLHSASGLQALSKQR*R YCQSAGAGSPEPPRGGTR*CCR EAAPGCRAAGTCPSAANLPSLR RK/PGTC*PQNPPGRCGSCGASA AVLAETPARIRRSFPRARQSCPR TWMAAGAPGSSRRQGTKHVT* *SSTLEKQLDNPTATYFSVPTRK PVH*NQQKDL*VTG*LQIFHL
14120	44488	A	14202	11	356	VSGPPR*APWCPCLAAPTGSTS HGSTARDSSTACKVS/GGATCV/ SGCGPGLGVLGRGLSSTRSCCM PAG*CPSSKDTCEKSGGRTQPV PPFEWAAQDASLVRRCRILAHR PCRGTS
14121	44489	C	14204	333	473	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14122	44490	A	14205	344	1035	QSAAQWFWWPGRSASLGGAK GMQPPSLASWPHPRSIRCLRAP AP*QFTNATDPRFRSAPRRSGQ QQPRGSSGPAALASPSRQPNR AGALRTGGAGWATALDTWSC PRTRRRAPMGSL*AAAQQCV TGATWPPPSAIA*QSAAQWFW WPGRSASLGGAKGMQPPSLAS WPHPRSIRCLRAPPCSGPSASS AAVQVACCCSLACCGSRPASQ GHLDGTPITSPETCTTSLWSPQR RRAAGPPKVVDIPD*RGSRLEPS GRGAPNTTCIPYGGSPGAKWIE GCPAQ/RPSPPGLHPAMRASAL LLMPFLQRRHRSATRLLRPGS DCTGKK/GKGFLAGPETKRQKR LCPSPKTLGRALGQQEALPANV RC
14123	44491	A	14206	41	292	
14124	44492	C	14207	480	1637	
14125	44493	A	14208	3	410	SPPCGAPPPVFCAPAPRAPAPP RAPPLAEALPGFASAAGSAPA RSGPAGAG*GSRSRPRARASAS LAPASAGDHLGYPSATAAAAP ASRPWLWRPSLNAARLGDPAC GWQASQWAAGSA*RAGSQWA AGEARA
14126	44494	A	14209	1	1274	FFFFHPLRSLLDGLHLSQERSA PEIKPGALESTWSQARGAALRL AEAR*RAAPAAGTACSAGGAA SSPR*GSRATRRRRRGPTAPSRA ATAPGRGAAASAAPAARPART ALMASARGPP/TAASPAQALTR SAPGHLPPMSELGAVTALCESC PVT/AAPRSGGGEAGGTLASEW GRTCRNYG/PAPGIWPRPPLSAA RPAAASPPARRIWSPAPVHSA ASPIGLRVAAPCSSGSAVPLRSR RASPPCGAPPPVFCAPAAPAP APRAPPLAEALPGFASAAAC RGKLRALQGGGLRSGSRSRQE GPAAGS*LRTGKSWSPPPGSA PLPLAQVLQALVEAGSRSPRA RASASLAPASAGDHLGYPSATA AAPASRPWLWRPSLNAARLG DPACGWQASQWAAGSA*RAGS QWAAGEARG
14127	44495	A	14210	2	335	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14128	44496	A	14211	344	1062	TRA EVTQQKLSRFASPPPVLRL RSYVSPPAAPTADPRWRPSWST SLRWVVKPNVSAYRIPPRASNR GYRASDWKLDYA*\WTGRLRIT SKGKTAYIKLEDKVS GELFAQA PVEQYPGIAVETVTDSSRYFVI\ RISDGTGRSAFIGIGFTDRGDAF DFNVSLQDHF KWVKQESEISKE SQEMDARPKLDLGFKEGQTIKL CIGLCSKPGTTAIQLGPVLNGIG RTLRTDLRNKNDLEGTNL
14129	44497	A	14212	573	1017	TDQGVGSPHCPRFQQGPPRSPR FQQRSPHSPDSSRG/PPHSPRFQ QGSPTPDSSSG/PPYSPDYSSG HPTP/HTSQQGIPC*DGHWLPC GPVFLWSEAPHLNPGLGVWGQ PRAPALPGNSAESKLWPHDRPA RPETPGAGTAWAHQALRV
14130	44498	A	14213	707	836	
14131	44499	A	14214	724	927	SFMDFRFVLLFFHLVPNPK*RP VS/SPPGSKLLVPPWGPKTPVPP HPSPPPPAHGEPGLPPPPPLPH
14132	44500	A	14215	29	157	
14133	44501	A	14216	I	363	
14134	44502	A	14217	770	952	
14135	44503	A	14218	1053	1995	KSSEPDLSHSFIFCSPNFPSSSL KRPH\FQSSILACVFCITADSSRA PCVLRVCDGFAGLTRSSAPSSK EKPCGFSLPEFTPLAVSFPQAAL CSLGTVSLRPRPQLTPSWEC VLLAGAVCPGLPCAAIGCPWA GEEGCPGATSQLDQVSWPSLQE APEVLWPCLDSWGWFAPSTV IPLMASPRFGFMGRSQPVLIN HLIKEPKAKFSNKNHSIRCCQG QRKWRRGNAAGMCCQPQIPGK GEVKTEFQPVSNRSVNYGCTM HFQETLWTPRLGLGDGDSNNN NNNNNNNRITANPGKEAEKPE HPLL VKM
14136	44504	A	14219	482	833	THQGARGCTHARVSVREMRTR RGRWATGMRVPAPCSSVHTTA VQRQQVADQLQTTAELSME/IL N/KWDQDPEAFVRKVATSYET WIS*YYPEDKAQSKQWLPRSGS GATLYSATNQYP
14137	44505	A	14220	195	367	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14138	44506	A	14221	989	2210	LLVSCAILLSVSFLHSSSFVRSRS NRDSPACVDATYRGCSQGE VCGEACSCFPDLNQPQGVHAG EGVLPCSGWEDTFGKNTCLVS YQQIPNKRRPCTCEECGKAFGQ RSHLVQHTSEKLYACQECGCTF SNNSSLVKHWHVHTGEKPYMC GHCGKCFRESSSLAKHQRVHT GEKPYVC/GESTHLVQHW*FHT GEKPFAC/HR/CSKAFADFSALL ACHGTYTGERPYECRVCCAFS PSLSLAEHIRCHTGEKLYACQE CGKAFSHSSSLSKHQVHTECG KAQSQGSYLTQHLKIHSGEKPYI RGEHPYACGKCGKTFSHSKFLT QHEQVRMGEKPFMCGDCGRA MQTSSLALHQRTNHEKPYKW NECGKSCIQMSHLTEYYQNLPE KGSKDPHTDATVHSPVMD
14139	44507	A	14222	1	245	PPFRKQQAQHRNKTVLVSRSP VPVTVPE/PSA*RSTPEGPRRAG CDPRP*PCPAGPELPAQMKVLA IEQLLSLHFKKALLF
14140	44508	A	14223	477	947	LCSLSSLPFFFFFFFPFFFFFFP PFFFFFFPVPPLPPSPRSPVSPFFPH SFQGRSPSELGSSAEPWLRPGT WV*/PPPLTFSQQEAASSAQK*N CPGESVPQVPVTVPERQPDAA NHSLLLPGQQCFWCQGPHPY WMGPVDASSGFLSQSFY
14141	44509	B	14224	438	1437	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14142	44510	A	14225	584	2866	WHFAKLSRNTQDHTRPTLGAA QAVPATGQPAAPGPAGAGPEW VPFLAVYKEQLVRNDSVLKVFF FPPIFYREGWVCCSVVESHLE GFVWLFSLQL*PPKLRSLFSLSY CLSP\SDIEISRGQTPKAVDVL KEIGLLADEIEIYGKILVSSAGF A*VVWEIL*NSLSPPELRITPTPL GEGKSTVTIGLVQAVSLGLCPS WQLYLVTALQPGQQSETFLK INK*KDILFL*FNLHLTGDIHVVI SCELSKFMDN*LLCGLIFVLCFF RGIILVTLCFLFLKLLTFFLLNH *KLGINKTDPIRTMPDTHQVAG PYLSTADD*SVLFQ*SPAPCGNG HPTGTVADHYLCLGW/YQAQF DIAVASEIMAVLALTDSLGREV PRG*PLPG*YFVRNLMFFSHLPQ IDLGFHASVCLLGF*FAFSL*G TPVFVHAGPFAADRDLCPYQFL LCQTHIYKIHVIMAEYFQRYKL MMYAKQTSPLCDLEQAISLSGC VPCRHSHLKNEKFSCTGC*QYL PKLSLPNSDPLTLFSAADYGFKF ESNHANHSGDCQNLPLFLEDNS TYSTCFPTVTEAGFGADIGMEK FFNIKCRDVVLSFRSVV*AFLLL AV*LGRFGGRQYTGWVLLFS FLQNIQLVADGV*MVSLSLKT* LNGYRCKTTNIFTRTDTRAID LVCELAKRAGAFDAVPCYHWS VGGKGSVDLARAVREAASKRS
14143	44511	A	14226	3	587	YPASAGLMLQNFGVIGLRYHF AIHSPAAGGLLDGLHAVAIAIQG ITKIETTPNHQRAPAHWTLTQ QAHLPSPHLHFNPLTLCLMHC PTAIPHCFADARTWVNLPTSSLI GHKKENLKEFISGSLIVHEILEE VLQAEGDFQPFRVTVHWGKG NDQTFRGLLDTGSELTLPIDP KHHYGPVVKVG\AYGAQLL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14144	44512	A	14227	2	1256	CHCGPP/VKVEAYGSQVLKGVLAQVQLTVGPGPRTHPVVIFPVPECIIGIDMLSSRQNPHTGSLTRVWTIMVRKAKWKPLELPLPRKIVNQKQYHIPEGIVEISATIKDLKDAGVVIPTTSPFNSPIWPVQKTDGSRMTVGYCKLNQVVTPIAAAVPDVVSLLEQINTPPGTWYAAIDLANDFFPIPVHKAHQKQFAFRWQGRQYTFTVLPQGRWEINMTKIQGPSTSVKFLGVQWCGACQDIPSKVKDKLLHLVPPTTKK/EAQCLSGFRREHIPHL/PIYRVSRKAANFEWSPEQEKALQQVQAAVQAAWPLGPYDPADPMVLEVSVAARDADWSCWQASI/GHKVGHAQQHSIIKWKWYIRDWARADPEGTTKGQGQRRWWQLAERQDSRDREAAIGERQETA VGKTARDGEAVCD
14145	44513	A	14228	155	531	GNLWSVDLRPGTPLRQNFRTIRQQHSRFTKNHCSQTPLLIPRQTGSGVDLSKLQQTCS*GSCLVCTIDLANAFFSIPVHKA/HQKQFAFSWQ/YTFTVLPRLTWLQPC*V PNLPAETNTEPSNGT
14146	44514	A	14229	1	518	MTVDYCKLNQVVIPIAAVSDVVSLLAQINTSPGTWYAAIDLANAFFSIPVHKAQQKQFAFSWQQQYTFTVLPQWYINSPALCHNLIRRDLCFSLPLDITLVHYIDIMLIGSTIKWVVHSS/DSIIKWKWYVHDWARAGPEGTTNGLAG*SGTCKKHEWKTGDKGIRGRG
14147	44515	A	14230	281	1140	VRVLSPEKELKLWKNTHKLLSYPTVGAAVTQLQNLTAMGVI GSHGARGQVVALNRQRQGDLPFTRVTVHWGKG/NMQIFGGLLDTGSELTLPKDPKHHCPPVKVGAYGGQVINGVLAQVQITVGPQTHPVVISPVPECIIGIDILSSWQNPHIGSLTGIMVGKAKWKQLELPLPRKIVNQKPYCIPGGTVEISATIKDLKDAGVVIFTTSLFNSPIWPVQKTDGSRMTVGYRRLNQVVTPIAAAVPDVVSLLEQINTSPGTWYAAIDMANAFFSIPVH
14148	44516	B	14231	1	1521	
14149	44517	A	14232	3	202	
14150	44518	A	14233	2	367	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14151	44519	A	14234	1	553	MTVDYCKLNQVVIPIAAAVSD VVSLLAQINTSPGTWYAAIDLA NAFFSIPVHKAQQKQFAFSWQG QQYTFTVLPQWYINSPALCHNL IRDLDCFSPLDITLVHYIDDI MLIG\PRQLLACY/WALVETEHL TISHQVTMRPELPIMNWVLFDP SSHKVGCAQQHSIIKWKWYVH DWARAGPEGT
14152	44520	A	14235	3	728	
14153	44521	A	14236	1	635	
14154	44522	A	14237	3	266	
14155	44523	A	14238	1	1245	
14156	44524	A	14239	2	837	CHCGPP/VKVEAYGSQVLKGV AQVQLTVGPVGPRTHPVVF PECIIGIDMLSSRQNPHTGSL RVWTIMVRKAKWKPLEPLPR KIVNQKQYHIPEGIVEISATIK LKDAGVVIPTTSPFNSPIWPV QKTDGSRMTVGYCKLNQVVT PIAAVDPDVVSLLAQINTPPG TWYAAIDLANDFFPIPVHKA HQKQFAFRWQGRQYTFTVLP QGRWEINMTKIQGPSTSVKFL GVQWCGACQDIPSKVKDKLL HLPPTTKK/EAQCLSGFRRE HIPHL
14157	44525	A	14240	1	533	
14158	44526	A	14241	1	1043	MTVDYHKLNQVVTPIAAAVPD VVSFIEQINTSPGIWYAAIDLA N VFFSIPVHKAHQKQSVFCWQ GQEYTFTVLPQVHINCPALCH NPI LRDFDHFSLPQDITLVHY IDDIM LIGPV*NMLLHLPPTTK KETQHLEVLFGFWRQHIPLE LATPSSP NGPMNKVTMMA/ ANVGAWD QKHGLPLTKANL VMAIGECV/ SPAAETNTEPSI WHHSSGQDSQ VQESKGGNGS GTTHHP**STS KIFASCSHDIT FCWPRGLSSRGR NAATRRHN NNFIKPEVKIAFWT LWDPTFK STG*ERS*SVGWW D*HELPR* NQSTTPQGSVSIIPH GQPPH QLFGVAKARTFGIT
14159	44527	A	14242	1	336	
14160	44528	A	14243	3	1885	
14161	44529	B	14244	1	1423	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14162	44530	A	14245	1	1361	MIISIDAEKAFDKIQQPFMLKTL SKLEETASPSPVVATYTPQPM PSAFPPLSEEINPVLPETTVMAS PEAVTRQDNVDSPQKPPPTPMF ASRPITRLKPRRAPSEEGIQRLK KIGMVEWISHFRPTPLSMEGPE HILLTNTLLNRYVKAAPASLKS PLTALLFMSDLTVGTTFSQLQN LNTMGIFGSSCDRSQVAALNHQ RQVPECKIVIDILNIWRIPHIGSL TGRVREIMVGKAKWKPLEQPP PRKIVIQKYHIPGAITEISATIE DLKETGVVILTTSFVKSSIWPLQ KTDGSRMTVNYHKLNQVET PIAAAVPDVVSLEQINTSPGT WYAAIDLNVVFSIPVYKAHQK QFAFSWQGQQYTFTFLPQGYIN SPDITLVHYIDIMLIGSSEQEV ANTLDLLPARVASWGVYPYDQL T/GGRED*GLLHRWSCRICRHH PQGSWIQES
14163	44531	A	14246	1	1795	MRKCGKPQFKLGQTNKANSRI QEELIHSKSLIEQEGEKPVQFSA FHRMWQPADSQCDIIDSADIWA DPLVRHREIITGSGGINRRRTRG GRGRGGEAAGGAENCGSREER ERAGVGTAVTQLQNLNTIGIIGS RGGRGQVAAINHQROGGHSYC KGQQKQNSNQNSVTHVELWH WLINHSVPRSEIDRKPTTFLNL YKQKTSRDLWPFTRVTLHRGK RNDQTFQGLLDTGSEMLLIPED TKHHCPPVKVEAYGGQVING VLAQIQLTVGPVGSNGTHPVVIY PVPECIIGIGILSSWQNPHIGSLT SRKTDGSRMTVHYHKLNQM VTPIAAAIPDVVSLEQVNTSPG SWYAAIDLANAFFIPVHKAHQ KQFAFSWQGQQYTFTVLPQGE TLVNFSLPQDITLFHYIDIMQI GSSDQEVANTLDLLPRKSTTPS G/LYGFWRQHIS/HLGLLLTPIY* VTQKAA/SFEWGLEQEALQQ VQATVQASLPLGVYDPADPMV IEM/SLSDPSSHKVGCQQHSII KWKRYVCDQA*ASPEGTS*LY CTSFIMEKEEVC/LSLEQTLTD MGLPILHAMLWHLWIHGLPY PSSWYSTQQCL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14164	44532	A	14247	55	1241	NRFVRAAPASLKRSAGIGLLCM PDLTVGIVVTQLKNLNAMEGITG SELTLPDGP*K*HFGPPVKVGAF GGEIVNKYLAQLGLTDDPVGPR THPVAIFPVPECHIGIDILSSLQNP HIGSLTGRVRAIMKGKAIMKGY YEGKGKAKWKILELPLPRKIIN QKQYRIPGGIVEMSATIEELKY AGVVIPIPTTFPLNSPIWVRKT DGCWRMTVDYCELNQVVTPT AATVPDVVSLLEQINTSPGTWY ADIDLANAVFSIPVHKAHQKQF AFSWQGGQYTFVLPQG\WTV NSPALGHNLIGRDLDRFSFPRDI TLLVHYVDDIMLIGSSEQEVAN ALDLLVFSDHIAIKWVMHSSIA SSSGSGICVIRLKKVLKAQPAP MASWGVLYDQLTEEEKIRA
14165	44533	B	14248	1	346	
14166	44534	A	14249	485	717	
14167	44535	A	14250	1	345	
14168	44536	A	14251	300	689	TKRAPCSPAAGSRGRARSLALL TLYHGHYPALPPGPTPAQQPGR GLAEAAEPRGSEGGNGSNPCG RA*DGRSRREGRGRLGGWRPC CEPQPWRQAHPAGPDRVDGG ERRGAGVLRGQDQGDEKKKPK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14169	44537	A	14252	1	2430	MAVLQPSRHLRPQLGLEPDN WHSQQDEVSSVATARAVVPSG RGAAWMGPSGNIGGSGLV SHE CGEGTGAAGSTQLQEGMHFCR QSRWAFALTALCEVYTQSLQDT VQWLQLCQWSAQGQDDHTLIE WLMGATWTVWNDAREIPETG TGQDAWLCGSWGVDQRP HV ELAIHCSPTNVQRV LALVDTGA DCSLVFGNPVRKPDGTWQMTV DDWELNKVTPPLHAAVPSIMD LTDH LTMELGQYHFVDYVHSP TICRGLVAMELAAWKCPKGV L LFHYIDDIMLTSDSLADLK VAV PLLWQH LAACGWAINKSKVQ WPGLSAKFLGVIWLSKTKA IPE AIIEKIQAYPRPTTMKQLQTFVG LLEYWRPFVPHLAQMIKPLYGL SKKGATWDWDNEAGTDLLAA KWAIQQTQALQVIDQGCPFELD VHVTTDGF GWVLWQRMECFR TPVGFWSQLWKGAELQYSLIQ KELAAA YAALQAYETVTDWA TVIVQMSYP IVGTGT AQTTTL AKRGAYLEQQSMLTTTPLAAE LQEALGP IVLMEDKAMGPEAPL DPEPSLLKKGYP LVPDGA WYT DGSSQGAAAA WTAVAIQ P/ITD TI*FDTGCGQSTQWAE LR VVE\ MDILEACQKCPACAQAYLRQR QLPNVTQQVTVGQMPLTRWQI DYAEPLPKLQGYTYALMAADI
14170	44538	A	14253	2	239	
14171	44539	A	14254	3	211	VVYYSPNEVKVVAEGFDSANG INISPDDKYGPL*NIFILQLWC WPNSLLCFLCQCENSFLDIYGIL
14172	44540	B	14255	13	87	
14173	44541	A	14256	42	854	VLVFLTAALFILPTFSNSMMILQ VSGGPWT/VILRRGVLLGVAPP PSLPAL/PENSVYQERQECYAFN GTQRVVDGLIYNREEYVHFDS AVGEFLAVMELGRPIGEYFNSQ KDFMERKRADQLPDCRDPLMP D*GVWISPLGQQV PNLTAQKTL QHLP SKKEPQQHHDLLVYHVT DFYPDSIQVRCFLNGQEETAGV VSTNLIRNGDWT FQILEMLEMT PQQDRT*AGVQLLEVTLNLSLF FLEAQSDSVQSKMLTGARGLFI NYLQLNLCTP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14174	44542	A	14257	3	571	QGRATPENYLFQGRQECYAFN GTQRFLERYIYNREEFARFDS VGEFRAVTELGRPAAEYWNSQ KDILEEKRAVPDRMCRHNYEL GGPMTLQRRVQPRVNVSPSKK GPLQHNNLLVCHVTDFYPGSIQ VRWFLNGQEETAG\VVSTNLIL NGDWTFQIVVMLEMTTPQ/QGE DVYTCQVEHTSLDSPVTVIEW
14175	44543	A	14258	1	1677	
14176	44544	A	14259	2	430	
14177	44545	A	14260	821	1428	QVTDVQDFPLKCKIQWRRTVR GDLQ/PFTRVTVHWGKGNQDT FQGLLDTGSELTLPDGPKRHC GPPVKIGAYGGQIINGVLAQVQ LTVDAVGPWTHPVV/I/SPVPECI IGIDILSSWQ/NSHIGSLTGRVRA TMVGKAKWKPLELPLPRKIVN QKQYHIPGGIAEIGATIKDLKDT G\VIPTSPFNSPI*PMQKTGDSW RMTVDYL
14178	44546	A	14261	507	910	
14179	44547	A	14262	1	2898	
14180	44548	A	14263	1	2580	
14181	44549	B	14264	159	2657	
14182	44550	A	14265	142	377	NHLLRRQQWQTPFPSPWS/SPR SSSDCCGSSENFKPVDSLGLGSV GVGPTEPDHLDPWLPQPFQSGE RFCLAGVPGATG
14183	44551	A	14266	363	638	EVWKESGWHLGAPLGQSFQ RKEQAVIFAVLQPLLVIKQTGS GVDLQQTPAHLQQRGLSGCLQ SLCSLTSS*PQRHPQNSSLVSN VVS
14184	44552	B	14267	1	2424	
14185	44553	B	14268	446	623	
14186	44554	A	14269	245	690	APSRSTWGSSTAARRNLKTR KLRTPRTPPHQKPRNPHHGPPR TPSG*TPRNPDRPPPG\PQVGQ PGCWAPSQGRGWGLGC*RE EVPGGGHAGRHSTPVGG/DFFL QAGPWPPDASLPTNPFVLRGAS TPPHPLENNKDKFLLQK
14187	44555	A	14270	223	365	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14188	44556	A	14271	1	687	MSEYIRVTEDENDIEIPSEDD GTVLLSTVTAQFPGACGLRCRN PVSQCMRGVRLVEGILHAPDA GWRNPVYVVNYPKDNKRKMV LGLPWKTTEQDLKEYCSTFGD VLMVRQSQDEPLRSRKVFVGR RTEDMTEDELWEFFSQYGDVM DVFVPKPFRAFAFVPFADDQIA RSLCGEDSMKGISVHISNAEPK RNSNRQ/LRSGRFGGNPGGFGN QGGFESYQRCERKAV
14189	44557	A	14272	1	833	
14190	44558	A	14273	3	447	RGTAGGQPGNGPALAQSP*WC RLGSGGT*GKSPGTSQGRALPW CSC/SVSTWATAAPGSQQRASP CSWAQPGPLASLRLMPPLR* GHLGHLAWLQLFAAPCPVIHV AVMWSLLGIALRKVHGDWAPL AILSLVVCASNKLNKKKKK
14191	44559	A	14274	988	1803	RAARVPRAPEAVAHRWASAS EDDGTVLLSTVTAQFPGACGLR CRNPVSQCMRGVRLVEGILHAP DAGWRNPVYVVNFGDVLMMVR QSQDEPLRSRKVFVGRRTEDM TEDELWEFFSQYGDVMDVFVP KPFRAFAFVPFADDQIARSLCG EDSMKGISVHISNAEPKRNSNR Q/LRSGRFGGNPGGRLQGTRY PAPAPGSPGRAQGLGAG*SRPS GSWLSGHLQRPEQSVGRAPAA PRHAVRRSLRRLAALCRTRAR CRRACLHVSPQRRRH
14192	44560	A	14275	3	184	
14193	44561	A	14276	1	352	KAAMVRFKHRYLLCELVSDDP RCRLSLDDRVLSSLVRDTIARV HGTFGAAACISIGFAGTIRTCQK FLIQYNRRQLLILLQNCTDEGER EAIQKSVTRSCLL*EEEECEEA AKAME
14194	44562	A	14277	1	456	PTRAVEAAMVRFMHRYLLCEQ VCDDLRCRLSLDDRVLSSLVRD TIARVHGTFCAIACSIALALARA LNEEGNPEGWRDVAGASAGGR KKGHECPSPCTVFCTL/RYPNA YTVIGLLRCKKELYQVWVSVL YLMTYLENKGHRYPCFFNTLH
14195	44563	B	14278	34	267	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14196	44564	A	14279	3	395	SAEVGAAETTLTELRRTVQSLEI DLDSMRNLKASLENSLIGILLHL ESELAQTRAEGQRQAQYEAL LNIKVKLEAEIATYRRLLEDGE DFNLGDALDSSNSMQTIQKTTT RRIVDGKVVSETNDTKVLRH
14197	44565	A	14280	2	1044	SSQMPSPQEGMCGKACTPALS QADSLCPLRLASEVEGYWQM ACAEPYVQSEMNDHLSVWSLQ HGSTTLASMSFTTCSAFTNYWS PGSVQVPSYGTQPVSHAASVY AGLGGSGSRISVSHFTSFVGLA GMGGIQNEKETMQSLRDRLAS YLDVRVGLTENWKLESKIQEH LEKNRL*LETEIEALKKELLFM KKNNEEEEAKGLQAQIASSGLTV EVDAPKS/QDLAKNMADSRAQ YDKLARKNREELDKYWSQQIE ESTRVVTTQSAKVGAEMTLT ELRHRVQSLEIDLSTRNLKAS LENSLREVEARYALQMEPSLLF SKIIFGRVWEISYLHVFEKGQV
14198	44566	B	14281	247	857	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14199	44567	A	14282	1	2104	LRGSELAGGVAAPDPSSRARAP GRGQGSEPPRRS*GRGRAPRA HTPLDDFPPGRAALSPGRGLSS RRDPGSAGRPLLLCLRPLHSP PPPRGCQAPAFQSLPSFHLALRL RSSGEEKLWGPRRAPAAP*SQR RKPDPARPGLAAA\PLRPV*AS D*GAAQVPPPSPLRDGGQPGR EGVGRRTPHRAAAWLLGE*AA DAAAFHWDGGRPPAAPARLLP GAPHHREDRVHHQPRGHPLQH QSPGDPTPAGEQHASRH*LCRN PETQKLRH*TSERRDGHREEEH TGTAGVPRSRPATQRPHAVPAG GLQPHRMLPALSSGAASGGEA EHGQLSGRGREEDGPVWPQLP AGLQGHFRGESPRWPPCLGDGS EN*PGPVQAEFSGG*DPVSESE DNQPRSRQFLRLQREEKAKP\D QRFTYLPANVPIIKTEPTDDYEP APTCG/RGEPGVKSSPKTILQPA ARDATRPQLLPRGRLPALSAEK HPDASSPWREPQAPRPFSLCH QGRCQPGPLSPRTPAAGRRGPR RPG\VPRPVATHPGSPGQPPPAL LPQQ*MK*YEMTSPARAPTSC HIGALSSAGVC*LQQTCTFE*IN *THTWYHSEPPTD*MPGAEH*Y VQRLALQQEGKQGGRETTVSP GGEVIS*QKGGGRAEHGRPTV QGP/SHGNGPHAV*PHAQPFWH PWGSILEVPYLTRPSGHHRIEH
14200	44568	B	14283	41	4224	
14201	44569	B	14284	1	1332	
14202	44570	B	14285	140	215	
14203	44571	A	14286	234	657	VQQPGRGLDLSTDGPGGRSQV GLIWSCCCLH*AASGEPGGRCP GS/GAPGPAGSALEFRARDGVP\ GVGGPSWESHSPAAATPPPAEC RGPGPTSPAPGEAAPEDREDG AAAPGRAEPASIVAPADGSQGG VLATQAGALGA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14204	44572	A	14287	134	789	PDSSQAPSRNSTRPAASTRKSSS PPAARS\AGNELGSSRGDADPPP QNPTGPAPQSAEVPRCD/SSSA WASNGSSISPSFFSLRPWPSST/S KVPGAGHHTPPEGAGGASAR\S SSLAPSAGAPVPS\A*RSQLGTW LSVLRPRSL*QSRVRSPPSHVSS PGSMQAPNSPSSFQPGMNGAWI WWL*THIPLARWPGPPGILVITC PTVTWIKWSFICSFHPT
14205	44573	A	14288	465	1541	GPPKRKLISNFSKVSQYKINVQ KS*AFLYSKK/QTESQIMSELPF TIASKRIKYLGIQLTRDMKDLF KENYKPLLNEIKEDTNIWKNIP CSWIGRJNIVKIAILPKVIYRFNA IPIKLPMTSFTELEKTTLKFIWN QKRAHIAKSILSQKNKAGGITLP DLNLYYKATVTKTAWYWYQN RDIDQWNRTEPSEIIPHIYNHLIF DKPDKNKQWGNDSLFNKWCW ENWLSICRRLKLDPFLTPYKKIN SRWIKDLNVRPKTIKTLEENLG NTIEDIGMGKDFMTKTPKAMK TKAKIEKWDLIKLSFCTAKET TIRSGSEQSHTLVRATRLVSD HSQSFEAWLQFLGDTFRGTQKL RDSD
14206	44574	A	14289	1921	3199	GYLAAGQVTSRIHTGRRHFSGP ARCPVSCCRRPGC*PQPAVRP SG*HCRKTAPSHGPSIWQTR**P GSWPNL RPG*GWRWLRAPRG RGIPVGCRSNLQLHPTKNPGSH *GSGSPWQCPGVLL*ASGRQPG SPSGGCT*SSGKAGLEPQWHPA IPGHCRNKPAAPASWERAPRPR AHALACGWWRYSSC*SWRS*S SPETPGPAQV*CHRPCPAAWW RCHS**TAQFL*D*FS*FLQTIGE PCICPKPISVPH*PMKQSHRGIG GCLQYSSHPIESSLGMSRGF/D RRDL*TLQIGS*RHPRAGPEGA AL*CLAGESSLRTSPAPCPGSPH TPGSSASGNTSPV**ETGCGSRQ GSARLVLESLLSR**CLSGPSRP SCLLRGISWQCGTAGRLSSSGPP AASGAGADAAPGGFPRLPCLF GTV
14207	44575	A	14290	3	626	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14208	44576	A	14291	1	1065	MRGSCERSGEDEEQKEEAMVA CGRLSGVPEAEQGPEANWDS LETEGTDGLGELVRDTLYLRSC RAHSVVPISCFLRQGS AQELNL RHRGLGPQGARALASSLSSNPY VKRLDLRDNGLCGAGAEALAG AL/QKQKQHP*CGPVGEPAGSG RSPGP/RVPPSQ/CNQAMRKM LSGNGLLEEQAQHLAELLAH TDLKSLDLSYNQLNDQAGPAPS LRAFPQANIFLKVLDISYNGFG DPGASAVGEALKANNVLEELN MSNNRISAMGALSGLGLRVN QTLRILVLCVRVSQVSRNPMRS EGCFGLLSVQDNPASALELLD FSDIQVNAEFDGLASSVRGILPG LGIKDWRLQSGV
14209	44577	A	14292	1	416	
14210	44578	A	14293	2	384	ELWVVTSMAYGSAKDLICTH FMDGMNELAIAYILQGVLKAL DYIHHMGYVHR/DLQGYDAKS DIYSVGITACELANGHVPFKDM PATQMLLEKLN GTVPCLLDTST IPAEELTMSPSRSVANSGLMTA
14211	44579	C	14294	142	474	
14212	44580	A	14295	1	1470	
14213	44581	C	14296	91	471	
14214	44582	C	14297	195	480	
14215	44583	A	14298	121	1130	SRSTQYELMSFLTNDASSESIAS FSKQEVMSFLPEGGWYELLTV IGKGFEDLMTVNLARYKPTGE YVTVRRINLEACSNE MVTF LQG ELHVYKLFNHPNIVPYRATFIA DNELWVVTSMAYGSAKDLIC THFMDGMNELAIAYILQGVLK ALDYIHHMGYVHRSVKASHILI SVDGKVYLSGLRSNLSMISHGQ RQRVVHDFPKYSVKVLPWLS EVLQQLQGYDAKSDIYSVGIT ACELANGHVPFKDM PATQP/M VLVLSSPDAARETERHSALPVG YQHHPR*GADHEPFALSGQLW PE*QPDHQHPPALQR*LALPPLP PNLLPPLPLC
14216	44584	A	14299	304	412	
14217	44585	A	14300	2	350	
14218	44586	A	14301	191	299	HRPATAVLHVPTSPSPGSRPS *PPPAALLWTPA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14219	44587	A	14302	537	5523	LARYYKFMHQDRQGVARNLL CQKEKRR*YTTKCEDNTCHWT GRTSS*PRSV/SNLNSQCGPRLW PPVTIIRQANIKTGEKAH*TSKL LPPVQLKFPARDDTLPWPGYIP* QLRRPSPR*SILSMLPRKVVPCL *QKP*TVCWKF*EPLSYIHSLV LKMMIPMPMTLLGA*CLTQAL K*SRMERKKGRAAQRSSTLGC QSPRGSPGGGPGPPGPPGAGKQ QNSVQTSRLLARTLI*SFSSST VKDKELARNTAP
14220	44588	A	14303	2868	3095	PGWAGGLFGPSAGMRAWATK PSLTPPAPAGQRCPPQGHGRG*SG PGIYAVQPPSVPAWAAHATTQ ARLCHPRSPPLR
14221	44589	A	14304	693	821	SDRQT*RQEKRLTRRQSCCLPC N*SFQPETTTLFHGPDTFHDN
14222	44590	A	14305	338	645	
14223	44591	B	14306	181	480	
14224	44592	A	14307	155	543	
14225	44593	B	14308	1	1260	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14226	44594	A	14309	1	2025	VINIINAAQESSMPVTEALDRV LEILRTTELYSPQFGAKDDDPH ANDLVGGLMSDTGLEIHKDGE EGESRTAQQYPGLSESTRQPWR RSRTPRTTWGWKATEQQCPDF PPPGPHPHLELLIFHCEGQGTGQ KHSTSYPCITLMSEKRLMNVFF AKYTGPAMRKSSGLTPSLLHLY CADPLHSKPLFNCPPTTSKTEI LGSCNCSPSESVRGAEKGDQEL LANIKQAEKHEKNHPEVTVM ALTDIDLQLQFSMSQPEALLLL AAGPADHLLLQLYSGHLQSAT GIYGEGRASSATLEDLESQYQE LAVALDSSSTIISQLTENINSLVH TLKEEKHEIHQVQKLGRNLFKL KNQTAEPLAPEPPARPSKVEQL QDET NHLRKELESVGRQLQAE VENNQMLSLLNRRQEERLQEQ EGWQEEQERLLDKNNENKSAL QLEQQVKELKLAENLEATSQ*K QQL/TAQLSLMALPGEGDGGG HLDSEQEAPRPMPNIPGDLES EAMVAFNSAGANAQEEQRCV CQPLAHPVASSQKKPEVAAPAP ETGGESVCGETHQALQGAMEK LQESTSARGQCQRRSTGRGGHR QAGPGPGDEMLCTCTQVSS AGRGMGMLTVVLVSLMMLS ASFSTWCMRSISSCHCAYS SISVFWFPREYILASGSEMMNS
14227	44595	A	14310	3	564	SLRVSLKAVVDRAGSRILSYIA GLGVDLFGGGSRVAGGIADL GRSGGKATRSRRGSRAGGGR LRSRHHEALQLRETPGPGAPE\ PMDQEYAGPGYDIRDWELRKI HRAAIKGAAG/VWSAAMTRR FRDL DARDRKDRTVLHLTCAH GRVEVV TLLLSRRCQ\N DICD\N* NRTPLMKAVHCQEEA
14228	44596	A	14311	515	778	GQAQGTGDREGAVLFTARAPD QCRP*SCSSSRPTASSCPLGHSC SPGPLCTHLPLQGPQAPTVP ATATCWFSWNQCRCAVSSYP
14229	44597	A	14312	411	608	EAEIP*TGLPGHSRPPGPLCTHL PLQGPLGAAAWVPEAGLGQVP TEAAGARAGCSAHKPWKRRK
14230	44598	A	14313	2	338	
14231	44599	A	14314	1	390	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14232	44600	A	14315	237	488	PWKTLDSSEAEILRGVSESSAV TLHCMEGQAVGPRQVKRIVHC *ASSA*NPHAMLLLQNR*LALC TSVPQGAAVLCGGWDPGN
14233	44601	A	14316	358	616	
14234	44602	A	14317	13	1155	IKLPPPGCRRRGRRHRRHYRG RAEPLAPRRRLPPAPEQPRARP PASRFLKNTMSNGYEDHMAED CRGDIGRTNLIVNYPQNMTQD ELRSLFSSIGEVESAKLIRDKVP GHS LGYGFVNYVTAKDAERAI NTLNG\LRLQSKTIKVSYPSS EVIKDANLYISGLPRTMTQKDV EDMF\SRFG\RIINSRVLVDQTTG LSRGVAFIRFDKRSEAEAEITSF NGHKPPGSSEPITVKFAANPNQ NKNVALLSQLYHSPARRFGGP VHHQAQRFRFSPMGVDHMSGL SGVNVPGNASSGWCIFIYNLGQ DADEGILWQMFGPFGAVTNVK VIRDFNTNKCKGFGFVTMTNY EEAAMAIASLNGYRLGDKILQV SFKTNKSHK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14235	44603	A	14318	1	2340	MFVWRNVEGHSAAVFSWYSIP FLTPCSHTRPSNLPVTQWPPTR ENNLPSWQPLLMSVHQAQSL ALRKEQDSSEKDGRSPNKSDK DHIRWPMSGAHDLQQAAPGPG GAHQGHPNQDNRTVSQMLSER WYTLGPNEMQKYNLAFQNV ARIRYVIVRGNEQGFFRMHHLR GVSSLQLGRRRPGPGTYRLEV DMITIDARYRCSGLRSPDPDH LKSVDLHRNEHFFLQKARWEIH LVLQATPSQIQLLHVAFVLAKQ PLRCRKQTLFLISVVGTKENNV ASEGRNPVRPLRGHRWLPASPP AAEHFAGGADRKSRLSRAPRSA ATATPANEQRAVADVQWAR ARGGRVRAAGRSGSCALRRSR CRRRRRRHRRHRYRGRAEPLA PRRAASGQPGKLRARRGINCNA SSIPMLQVVRIKSISKHCQMAR VAGEGSLPLSHAQLTHCVFGN KQVQRTIAYLPPQQQGVQGF KNTMSNGYEDHMAEDCRGDIG RTNLIVNYLPQNMTQDELRSF SSIGEVESAKLIRDKVAVGLLSL CVPIRNVEIVASTSWWSLPLAP YVPRGIRRSQPSTLMDLSCRS HQAAAPFTASVLLYISGRVKAH TAAQGFNHIPEGVSQEAGSG WSQAWKDGWLTNVFMFSCTG HSLGYGFVNYVTAKDAERAIN TLNGLR/PPVKNH*GRPLQLGFL
14236	44604	A	14319	701	1050	LIVHFCLQVGCGVGNTVPILQ TN/NTNSEYDPSRCFAFVHDL DEEKSYVPKSSLDIIILIFVLSAI VPDKMQKAINRLSRLKPGGM MLLRDYGRYDMAQLRFKKGIL KVLNPNH
14237	44605	A	14320	701	1519	LIVHFCLQVGCGVGNTVPILQ TNNDPGLFVYCCDFSSTAIELV QTNSEYDPSRCFAFVHDLCD DEEKSYVPKGSLDIIILIFVLSAIVP DKMQKAINRLSRLKPGGMVL LRDYGRYDMAQLRFKKGQCLS GNFYVRGDGTRVYLCHTRCNW TRFSPTAGLEKPKPVDRRLQ VNRGKTTDNVPGLDVQILQAP SVQHQLRGYLLPTRCKPVVVS GLFLKKKIVALGVV/RCL*SQPL RRLRRGGSIE/HQQSNLKGIVRD PVSESNDKIKRI



SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14238	44606	A	14321	756	1334	PGKFLVMSFLDPQPPTTRILEVGC GVGNTVFPIFTNRTMTQDSL VYCCDFSSTANELVQTNSEYDPSS VF\AFVQGPV**RESVTQCPRAV LDIIILIFVLSAIVPDKMQKAINR LSRLKPGGMMLLRDYG RYDMAQLRFKKEELDTLFTTAGLEK VQNLVDRRLQVNRGKQLTMY RVWQCKYCKPLLSSTS
14239	44607	A	14322	249	474	VYLLIVLAVLYTNNRQTESQIM SELPFTIASKRIKYLGIQLTRDV KDLFKDNYIPLLKEI*EDTSKW KSIPCSWI
14240	44608	A	14323	1	5796	
14241	44609	A	14324	1	2721	
14242	44610	A	14325	1	3438	
14243	44611	A	14326	1	3306	
14244	44612	A	14327	1	2364	
14245	44613	A	14328	1	2091	
14246	44614	A	14329	1	2334	
14247	44615	A	14330	1	1986	
14248	44616	B	14331	1	2559	
14249	44617	A	14332	1	1671	
14250	44618	A	14333	1	1845	
14251	44619	B	14334	1	2055	
14252	44620	B	14335	1	1554	
14253	44621	A	14336	1	2559	
14254	44622	A	14337	1	1714	
14255	44623	A	14338	1537	2204	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14256	44624	A	14339	2004	3751	YQSLAETQQQKKNFRPISLMN IDAKILNKILANRIQQHIQKLIH HDQEGFIPGMQGWFNHKSINV IQHINRTKDKNHMIIISVDAEKA FDKVQQHFMLKTLNKLIDIDGL EVLARAIRQEKEIKGIQSGKEEV KLSLFADDMIAYLENPIVSAQN LLKLISNFKVSGYKINVQKS\Q AFLYTNNRQTESQIMSELP\FTI ASKRIKYLGI\KLTRGVKDLFRE NYKL\PLIKEIREDTNKWKNI PCSWIGRMNIMKMAILPKVN\YRF NAIPIKLPMTFFIGLGKILLSSY GTTKRAHIAKTILRQKNKAGGI TLPDFKLYYKATVAKTAWYW YQNRDIDQWNRTEPSEIMPHIY NYLIFDKPEKNKQWGKDSLFN KWCWENWLAICRKLKLDPFLT PYRKINSRWIKDLNVRPKTIKTL EENLGITIQDIGVGKDFMSKTPK AMATKAKIDKWDLIKLSFCT AKETTIRVNRQPTKWENIFATY SSDKGLISRIYNELKQIYKKKTN NPIKKWVKDMNRHFSKEDIYA AKKYMKKCSSSLAIREMQIKTT MRYHLTPVRMAIHKSGNNRC WRGCGEIGTL
14257	44625	A	14340	519	1286	LNLEERAFRHSSEHLPHLKVH FRHSSCGIKTKSLLHVSPPTLIF PYPPLWGNPSN*ARPPCSVHSG PYPQGLASIIAHGSPGNVRGVH V*INDSEGGISRPSTASHKETPR PPTPARHADLAATRPSLTTPS GAGPRA/PSRAGPSVGGGLGLRP SGRAPRAEVALPAGLSPAGLAG PPPSGRSTGALPPAAAPTSGP/P ASTPPNAPAPGHTLSSRSPHRA ARPPPHCGAEWGTGFTMRPSW RISQSFIVKDS
14258	44626	A	14341	482	700	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14259	44627	A	14342	1368	2416	SSMTQSSCPMTSYLKSKEFGEPL MPSYTNPTETGVSKLVNKTQVF TYAHKGVPVSIYFDACQAAHLK LNNIWT\SVKI*DKKESASRATK AITEESKKECPDCDNQWTTHEF NQHLYTGRAALFASQEEKIGYT TGTCYPLNLTILKPNMTFWTKG HKGLLTFDQAGALLGLGIPLVI TKKTQRTQVQLSPIQQFRFYKS FNEHFNSEVSKIQIPPISTENLFV QLAKSIANNLGVTSYVCGGA NMRDQWPWEARELMLQDNFT LPEFVTKFNANPSVWLLRNPIIG KYCIACWGKSFQNIQIGETTCLG QQYFEESNRTQWRSFIDDSS\G HFNPFLQFPTLNQSWYQLE
14260	44628	B	14343	1	1071	
14261	44629	C	14344	89	283	
14262	44630	A	14345	244	315	NPKGQKDREAPLSRSVFVLKIKI KRAFALLHGRF*PSTPAASASP ASKSPRGSGKALASALFYIVQL TK
14263	44631	A	14346	1228	1656	QVYRPSQTPHLALSPERVAPGR RAAGRLAPEARAPRGSP/LPPHR VSEKTIRVVVFHFGARRAGGTP PRAPRGDTGGAPGA\PTYSTPL MSLHRARLESSPTGSSFPADSA KPVPLAVVSLDSR*GQWESRSS IHA\VTN*MTRH
14264	44632	A	14347	2	705	GSWPGLDDGSATRILACPWPGL GDGPAAPKANLPLVRWKPCF RGEGL*GSSCFSATLLTGLDLW ACSSRSTASARLSTYPSAFTSG WCSSLGPTEEAPGSWINCPLAG ILGAATSPKPSAIPQASPEVSLD AEDTGMKP*DSA/GPPGPARGL CGRGGLSPACMGLRP/PSPPA QSPSTALTS\TPSPFHPPRKKW SPPSAPAPSAPSPAPASLTSPSPAP PAPSPAPTAPAP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14265	44633	A	14348	367	1174	WVRGQPSQSQDLLACSTPTS* WPPGRAPPPPLP/PPPPLP\PTP ASPPLHPPRRAPPPVP\SFTP ASPPDPVPRPTKALTGLP/LCP LPCMGR/PFVPYLGGLLPCLGP DFSSL**SPGGWDRPVRLGISQ IPE\PLTMGL*MQ*IPP*PRFQG HYAPLPPLQTLCSVKTPGRNPR GLPMHKILQPQNPSQPPCELPQ AHCPTTPPKQCP\AAFSILPVT FADKDPGAAPEGTVKAPMPTQ *EL*PLRPREHRVLSGPTAGQT
14266	44634	A	14349	332	988	RRAGTPASWGHNGARAKTPSR ACACLGlyPIHQPTARRAPAAR SHGPGPPALPRKGAAGHGRSVS HHPLRPCSRSSCLAWPCLHHPQ PLHCHPHRHWPKWHPHPLAPH PLLGLHPRSRPQTTPWTSCGPSR RLPTSGSWPAPFDRDWPN*AR PSALCCPFCQEPQLTPCLHLCPH PHPHRHLPGLSCPHRPPRWRSR QSPCPWWLLWWTGQWWQPGE
14267	44635	A	14350	190	718	FVLQLPPAPKSGLGRWGSPPPG QFSSSQRTGTVRGRCAEPRG SLPHPT*GNNK*HGNWMGLGS QGL\GRQPGEDKH CYQR/IGVG GAHLLRPPHQIRSLTSTGSGCS HPWSRELGCSDGQRASAPLA LRQAWGEGLAGRNHTIVPFHG DISIAPRLPCRETLFSALCGGES
14268	44636	A	14351	1	486	MKGEVSCKQH QDALQQVLWA MLQDADKQVRRAPGPVENENH CDFVKLREMLICTNMEDLREQT HTRHYEL YRRCKLEEMGFTDV GPENKPVRLVLLFKSLSDSKRVK YDEEWIRLPVE/MKY/MLERKV TQKQP*VPLVFVSWRSR*ESLR REEENQQCHVLEL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14269	44637	A	14352	1	2380	MMWSVLLQPVVLAVERQGE ALEFLIGVPESDGENGTKLENT LQDIIQEDFPNLAHQAHVQIQEI QRTQPQRYSLRRATPRHIIVRFTK VEMKEKMLRAAREKGRVTLK GKPIRLTADLSAETLQARRDRG PIFNILKEKNFQPRISYPAKLSFT SEGEIKYFTDKQMLRDFVTRRP ALKELLKEALNMERNNRNFFG VTF AFFVGGQSLGKALQETSIPF LREEDLEKTSILETGNGDWEAT RGLPEECAGMRERDCQQNEKY QVPQFDQSTIKNIESAKGLDVW DSWPLQNADGTVAEYNGYHV VFALAGSPKDADDTSIYMFYQ KVGDN SIDSWKNAGRVFKDSD KFDANDPILKDQTQEWSGSATF TSDGKIRLFYTDYSGKHYGKQS LTTAQVNVKSDDTLKINGVED HKTIFDGDGKTYQNVQQFIDEG NYTSGDNHTLRDPHYVEDKGH KYLGLIPTYDISSNIYLISKSLW QANFRLNSALAQSPAITNFQFR GHSLKTLDLLTMKNLDSKVNII PVIKADTVSKTELHKFKIKFM SELVSNQVQIYQFPTDDDTIAK VNAAMNGQLPFAVVGSMDEIK VGNKMKARQYPWGVVQVEN ENHCD FVKLREMFICTNMEDL REQTHTRHYEL YR\RLQLEEMG FTD\ VAPKNKPASVQETYEAKR HEFHGERQRKEEEMKQMFVQR
14270	44638	A	14353	105	328	
14271	44639	A	14354	107	676	IRPDSLPSASPAQDFYAASSNTF PA/DRWSALTKIYEDQTSNIIPL SQ/TLIQSKALTLFNSVKA EKDE EAAEEKFEVTRVVHIRGLIDGV VEADIVEALQEFGLISYVMVMS KKRQALVEFEDVLEACNAVNY TADNQIHIAGHPAFVNYSTSQKI SRPGNSDDPEREQCASLYHPEP HLFDHHGCSLHYR
14272	44640	A	14355	221	648	LDWLRRVVGIPSLRWTCATLV GTRRAARHRCVNVWECGGLKE ITY*SVEGLCRA/EKPKPLALLE ETCKLPERQVVNAKEKFLEEIK SATPVNT*MIRKRNCIITDMEK V*AVWIEDQTSNHLPLSQSLIES RALTLFNYVMA
14273	44641	A	14356	122	317	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14274	44642	A	14357	338	489	WLGQN*RHGKQPGPGVGHVGT TVWS*PHSPACWAPAPQGPA TGEEGCHF
14275	44643	A	14358	1	459	RPVWRNSQPPTAAYRWASGSR MWSTSFSRWNKTPSGKACSSS DKGPPMAQVPIQQRNVPPPTK/ QPLVLCHGEAPDFSRPPQHRPS LQKHPSTGG/PSHSPLPTSAPSSR AGLPPLAMTDLTSGWRLWTPI QPFRLPPGSCREGTILLCSVMD
14276	44644	A	14359	609	2077	GLKAQPSSSRGHSRGPACAAA PASRVHLPVIFCPEPNSSPCPHC TGGWGGRGQ/PACAGNPTASSP CQIECPALRSCLHALMDLGSPQ\ LRGAPRTGVDPRLHLLPQPAL SSPPVLLRGPLLRGTCPLAARQ GQSPPAPGLLGHPGSHRGRLLP AQGGHRLPQPPGPGRRHRAPQP DPRRPGLRAAAASGPGLAAWG AVRAAERP GSGGLPGGAGPHH ARAQPGPRAAPPAAGVAP AGGGAVPGGHPHRPGGEAALP AHGLPAPAAERTAPR/QPCPAC GLIARSDVHHPPVLP/LSGPAP APGRLVGQLGVRGAPSSPVPH ALHFPRAQP/PPGKGITTTSTQ TQ PAGSPSPCMPPAATPGARHPP GSA\GHRAGV*GHTGPCDPHGP GHHGHAQLL*/DQAAVGVRGP GPWALSGMSQPPT/LPTAGHPA PACGVRAFQDGT RPPRAKPAL/ LSDKGPPMAQVPIQQRNVPPPT KHPCPGPQSSTWMRQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14277	44645	A	14363	47	1250	EPRPSRSSGGPQLGQGLPRPMK KIPGSSAKTAGPLATRPEVPRAP *SAGRQPWFQRPWGKRKGRKT *NHGSPGVKP/TPGPLNKDKGE KEERPRQQDPQRKALLHMFSG KPPEKPLPNGKGSTESSDYLR SVTPGPWSFSPQVASGMPMPVH TTKKPA*APPQVL/EPKERQTGA AADMPQPAVRHQGREPLL VVK PTHSRPEGGCREVPQAA/SQNPR PAPGLQTPGTRQTS/SVTPQPCP PAATHSLGLGSNLSFGPGAKRP AQAPIQACLNFPKKPRLGPFQIP ESAIQGGELGAPENLQPPPAAT ELGPSTSPQMGRRTPAQVPSVD RQPPHSRCLPTAQAQCTMSHHS AAGHDG/DPASQSALPETGKRT LELQPPGGPLISLS*EAGSLSRSE PSCVREV
14278	44646	A	14364	23	714	EAP EIPRQNRRMTMKERP VWL PHK*IHPNVAKWSRVPVQVQK NPQFQE\PTPEFIPVPGTSPEAAG FWH*GAHDSPGTRDRSEVEPGR GHPHLGPRDSAAADPGEHSPCD CP*ACPEVRRWPA\APVQIQYIIP SVDDFSLEFHAQDGDISDMRRE NVPFSPAEEGKAAPLYQQPLMI PQANHMAGISPS/SPTAAEFQHR DVHHRGPGTRDRTH TETGRVC PHPVPTDSPAL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14279	44647	A	14365	3	1869	ITTVAPSRPASSDCESDGS*EQD AGPGSRMGPEK*AGPRPTRRVG RWSQTHSQTDDTSGAVVPEYP SDR*YAGGRGPG/PGGPTVHP* KRRS*NPQETKMMARRDPKSW AKRLSPV*PRLAALLTSASPSCP LEPRVLPFRVPPSHGLCEGTSYP NSPGT*RPPCRSSAKTAGPLATR PEVPGAP*SAGRQPFQRPWG KRKG\GKPETMEAPG*SQPGAL EQG*GREGRETKATRPAEEGSP PHVFRETSREAAAEWKRIHGVF *SSEGHGP*FPFSFPSAGGNRGT PLSCLLGVRDSTILPGCKRANA GPHNQ*EAARGPCPR*SISAAE MSGRGSVLASLSPLRKASLSSSS SLGPKERQTGAAA/AHPSACSQ APGPRASPRGEADTQPPRG*LP RSSPGCLQNPRPAPGRQTPGTR QTSCGDL/SSPARQPPHTAWA* APISASGQEPRDLP\SSDSGLPEL PQETETGSLPDPRKRHPGR*AG GPGKSPTSASRNRTWTKYVAP DGQEDTGPQAQRPAASAQQT LPAYCPGLHHVPSLSGQP*WGP ASQS/GSSGDWKTDA GAPASW RPPHFTLLRSREPSSRLALMCQR SLRLPVFVSHRASSMRTFRFPPP QRTAILTWS
14280	44648	B	14366	1	1519	
14281	44649	A	14367	312	1326	TTKTGQDKDRLEEFSMQQLSGS KRKMSTQPRTEL\PPNRHTTTTS TTPATNTTCTATVPPQPQYSYH DINVYSLAGLAPHITLNPTAHP QLKQCVRQAIERAVQELVHPV VDRSIKIAMTTCEQIVRKDFAL DSEESRMRIAHHMMRNLTAG MAMITCREPLLSISTNLKNSF ASALR/PDGSSAIQL*SND*SCS WRPKLYDAFWDLSSLRV**PSR PEGEGRVSSEGMGESLPFSSSW PRQYQSFLCICWTDAPARNTED R*SHNKVLSSVY*NVC*NQLPC SG*AAQSCCQSHHDPSQVLSQ PGCLCSTHCTARETLRGGHQHC HKD*SAEQGL



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14282	44650	A	14368	2	1120	PEPEPGARGGEQLNEDFEG*VA VPTCLHCPALSRTQSRAIQALT VRRGEATIRPPPCDDTKGGHRF LNELIKVVSPKVGAPSPSSDLPC RMWGEERGWTVGLPEEVKIAE AYQMLKKQGEAHRGWGATRA CLPLPHHERPKNVIFEDEEKSK VRLQGGTYGDSEPRWGSVGS KEMVQE/DSGRAQSTGRRRDG GIELGH\NVKLLTEMVMSHSQG GAAAGSSEDLMKVHLPPCLPHS LPTPQPTRTLRMRPTLFRASDT EDNDEALGEPRAGAEVRSPPLP PPPAPVRGEEVNGDATAGSIPG EEVAGELGGHPSGWRGTESYP AMPTRPGEQASPEQPSASVSL DDELMSLGEEGARPGGGRAQQ
14283	44651	A	14369	1	432	GTRQEVTAGVEPAREWQRRLM EVQWGLERAPYCIQHAPR*RRS PARPGTQSCGLGACWIQ*GALS SPHCTISRRCHSLAGSTPAVTS CLV
14284	44652	A	14370	16	471	
14285	44653	B	14371	66	206	
14286	44654	B	14372	234	390	
14287	44655	B	14373	207	427	
14288	44656	A	14374	2	572	FLLERAPYGVGFSLPLGLWLGS RAGVGRHHDKRVLGRAPTWS LEGAVSSM/TPRPQLCVP/WPC WGPSSPGG*QLGQLSCSYSLV DR*VALLWFWMLVGSPLVKGH CPTPWSRFVDFSVPLATPPGIVY WGLFAVFLFSHLLPARPGEQMS ACCRHLHAPSSPLLTLDSLIVY SCNSQGKLVRFPPGD
14289	44657	A	14375	175	499	KQNKSMGRKSQGFVASFGNHL YCTASCGMPASSTSTQTWPRVL PLHSQ/ESSHGGCSWRGRR*GP RPRPHKTPVPMVMDSTARNRA RRELVLAWCKSPLATALLVSW DK
14290	44658	A	14376	408	625	VFGEQEVFGYMNKFSSGDF*DF GAPTTLSSSEHCTQCVVFYPSAP SFPFPPVPKVHCVIPHSVPTYE WEHTM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14291	44659	A	14377	1263	1812	AGDAAPEDPAGRGQEDLYDEE LPGWGLCIPHPACLQPCHA*VT KAG/ARVKVILPS*DTQRTKDIL KAGGG/PSSIHFINSAHGKPAVI VRPRGIWVLNTTPLSGQWGPYI GVYTAATVDMKSLGSGSLGLQ LALPLAASWLGVLTEAARVFG EQVVFGYMNSSFSGDFWDFGA PITRAVYTVPNV
14292	44660	A	14378	1	693	
14293	44661	A	14379	2	1299	WDYV/KRPNLRLIGVTESDGEN GTKLENTLQDIILENFPNLRQA NIQIEIQRT/PQRYSSRRATPRHI IVTFAKVEMNEKMLRAAREKG RVTHKGKPIRLTADLSAETLQA RREWGPIFNILKEKNFQPRISYP AKLSFISEGEIKSFTDKQMLRDF VTTRPALKELLKEALNMERKN RQINETENQQGYPGIELGSAPSG PNPLFCRHLQMSVDGRHLQNSP PQINRIYIFLAPHHTYISKIDHILG SKTLLKKCKRTEHTNYLSDHSA IKLELRIKKLTQNCSTTWKLNH LLNDYWVHNEMKAEMKMPF ETNENKDTTYQNLWDTFKAVY RGKFLALNAHKRKQERSKMDT LTSQLEKEKQEQTHSKASRRQ EITKIKEELKEIETQKTLQEINES KSWFFERINKIDRPLARLTKKK REKNQIDAIGN
14294	44662	A	14380	2	383	
14295	44663	A	14381	1	1536	
14296	44664	A	14382	2	1118	REHLAEGMAVGTASADLNISA CWLRRQQISQHSARALLRDRL PPQENSSWHPAGAPLGRNFQRK EQAAIFAVLQPPLVIPRKTGSGV DLEQTPADLQKRGLTVTRKTN KQKAIASTSTERTPTQKPPFKSH QHQRPNVDKSAKMRKNQSKK AENSKNQNTSSPPKDHNSPAR EQNWTENEFDELTEVGFRRWV ITNSSKLKEHVLQCKETKKLD KRLEELLTIITSLEKNINDLMEL KNTAGELRDAYTSINS*IDQAE RISEIGDQLNEIKCEDKMREKAR MKRNEQSLQEIWDYVKRPNLR LIGVPESDGENGTKLENTLQDI QENFPNLRQANIQIEIQRT/PQ RYSSRRATPRHIIVRFTKV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14297	44665	A	14383	1	1154	MLPILGSRHPSSLGQARKLDYR PSKSQCLEPGTTPRACLVLYTLV AKLIYNDYFIHYFAPRGLPPME KNVVFVIDISGFMFGTKMKQD HNFSLAREQNWTEFEKDLME VDFRRWVITNSSELKEHVLTC KEANNLEKRLDELLTRITSVEK NINDLMELKNTAGELREAYTSF NSCNDQAEKISEIEDQLNEIKP NLRIGVPESDGENGTKLENTL QDIIQENFSNLAQAN\VQIQEI QRTPOQRY\SSR\IATPRTH\IIVRF TKVGNGREKMFKGQPGGKGR\ VTLKKGKPTLTADLSAETLQAR REWGPIFNILKEKNFQPRISYPA KLSFISEGEIKYFTDKQMLRDF\ VTTRPALQELLKEALNMERNN RYQPLQNHAKM
14298	44666	B	14384	1	1554	
14299	44667	A	14385	1	909	
14300	44668	A	14386	2	207	DIMSCILQNYNRPPVMALAIPIA VKFLHRGNKELCRNMSNYLSL AAITKAD\LLADHTEVIVKSILQ
14301	44669	A	14387	496	1207	PLITGTHDSGSVESQLIKLILTM HQLFRLVLGQKDLRAGDLFS *NNSEIEDSLTEALEQIKIHSSSD YQTNNDQAVVEICITRITTAIR ETESIEKHAKALVGLWDSCLEH NLRPFKDEDTPHAKIASDIMS CILPELQPTPQSMALAIPIAVKF LHRGNKELCRNMSNYLSLAAIT KADLLADHTEVIVKSILQGMVR KLSLGTCTFGRYLKVFSSSIYGL WEARPRVLEAN
14302	44670	A	14388	219	448	VSLELCLKTTGPDGCGQTSQTP PAAAYHHL/PGAGLPCGPRLPA LCCSCPMGARPL*HHKR/DPSRF QEKTHLYLPSSH
14303	44671	A	14389	542	1365	GTEGVMANRSQEGNGGGSWR AKQVVVTVPF*EQSLVIMLWR RGGNT*QRPSEGTSRSHICSFH MSRHCQ*CKCLLKEP/VSAEAR DALDTKTHFPLAMIPSYLLNG NIGELPEGPAGGCAQNPGLWAS /RGPARR*RSQASSPEVRWPPG QCGLRGRPCKKE\PRHPWSRP CASPYRGAGGQRLRRACSAAG RKTPDRRPLPEPTRGPVSQRAV LGKLRAAAGHRIPIGDLGDGLS LGAPPAGRHLHTVPLRREFSP CEDALGIGEQQGKKRVT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14304	44672	A	14390	3	723	PVLRGGIQEFAYIKALYERKFL VPKPIDYNRHAVDMELINGYPL C*IHHVEDPASVYDEAMELIVE LANHGLIHGDFNEFNLILDESD HITMIDFPQMDSTSHPNAEWYF DRDVKCIIDFFMKRFSYESELP TFKDIRREDTLDVEVSASGYTK EMQADDELLHPLGPDDKNIETK EGSEFSFSDGEVAEKADEVYGE NESERNCLEESEGCY\SDHLETL NK*RKTVYQKRVLMHGVLK
14305	44673	A	14391	1	1889	MGSKVKEVEDDSQMSDLVRG MNAFSKTGSGGVEQGRTGQGG TNGHIKKAKARDRDRRFFKTP QRKVGNDNLQLPLRWTEQHAE THIMNFCSKNYNRNIPGKPRESI DTLNEAACRGRLSKTARKLWS EAQDQRSFQATEMQAFLFSAK RIAAEKKTIIRRRDLCSIWGKLL PRPGSQSVPAQIPENLQEQEERA KWLNGRSKFFPQTTSTLGKVT SNKTGVKEPELESRQPNLLKVE MGMKNHEIVPGSLIASIASLKH GGCNKVLRELVKHKLIAWERT KTVQGYRLTNAGYDYLALKTL SSRQVVESVG\NQMVGK\ESYI YIVANEEGQQFALKLHRLGRTS FRNLKNKRDYHKHRHNVSWL YLSRLSAMKEFAYMKFRTLEIR DYFYWVKINVLTPCSPKRGSS GEFVPCLLQLLLGFGDCWHSFG LWHITPVSVSMLTLLPSLLVK QKKPTLDSRMGQFDFVVELQL YLCVLEREVIREYPPDGQIFGRY FDRDVKCIKDFFMKRFSYESEL FPTFKDIRREDTLDVEVSASGY TKEMQADDELLHPLGPDDKNIE TKEGSEFSFSDGEVPEKADEVYGE SENESEARNCLEESEGCY\SDHLE TLNK*RKTVYQKRVLMHGVLK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14306	44674	A	14392	150	1910	STPPGGPSVLM*STEEPAGRS QPLCDDLSTRPLSCLGAGCCLW PAKRISAKEEPWYSSRSKDKKE KNYSSPETTTSGGCHSPGDSQY QELAVALESSSVTINQLNENIES LKQKKQVEHQLEEAKKTNNE IHKAQMEQLETINILTLEKADL KTTYHTKRAARHFEEESKDLA GRLQYSLQRIQELERALCAVST QQQEEDRGHCLSSPDQNFSLFTI QSSSCREAVLHRRLLQQTIKERA LLNAHVTQVTESLKQVQLERD EYAKHIKGERARWQERMWKM SVEARTLKEEKKRDIHRIQELER SLSELKNQMAEPPSLAPPAVTS VVEQLQDEAKHLRQEVEGLEG KLQSQVENNQALSLLSKEQKQ RLQEQEEMLRQEQAQRVREQE RLCEQNERLREQQKMLQEQGE RLRKQEQLRKQEERLRKEEER L/TKAGKEAVGPGGEAVEEGGE ATKAGGEARALPEPQARQAAG RATVQLRGSEQREKERTAVGA ASKGAAGEARRGEGDAVHGHL SAADL*EGGAAQAVTAADPVR GPAAAAGSLGQSGAPRSCQPPE PTARDPAKPRGSPWRRRWRTT
14307	44675	B	14393	463	3755	
14308	44676	B	14394	175	1835	
14309	44677	A	14395	102	465	RAYCWAYIRLSCLTVILIAWCS QESALSEEEEDTTRPLETVTFKD VAVDLTQEEWEQMKPAQRNL YRDVMLENYSNLVTVGCQVTK PDV\SSWSKKRSPG*WRKKCL GGTVQNPEEERTAV
14310	44678	A	14396	1	330	
14311	44679	A	14397	1	531	MLLNIPQHTRQSPRAKNYLAQ NVNSVKAWCSQESALSEEEED TTRPLVRLKHLFVSCIILQCSYV LLPLTPEYQLNKFLYVVITMPN FDDFKLISIMFLQETVTFKDVA VDLTQEEWEQMKPAQRNLYR DVMLENYSNLVTVGCQVTKPD V\SSWSKKRSPG*WRKKCLGG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14312	44680	A	14398	1	539	MPTTTTREM TQNSSETIKNKNG KKQRKQRKNSKKNRRKQKDE DKTRRQNKRRHHKKNDINPEEE RTAVRLKDGGAPAPQAVQEHD AGICSASGGAQETYILVEGKGE ASTSPGQSKGSREGGVGANETC SKKLYRDVMLENYSNLVT/VG CQVTKPDVYSSWSKKRSPG*W RKKFWEALSR
14313	44681	A	14399	322	1227	FDLKMSKCRKTP LQQ LASPASF SPDILADIFELFAKNFSYW KPL NNEWQLPDPSEIFTC DHTEFNA FPWI*RTP*NEVKKPTGVIRTW DEWHEHTCFH**SGE/ISFPHGR KSVNAELWTQAWCKFHEILCS FPLIPQEA FQNGK LNSLHLCEAP GAFIASLNHYLKSHRFPCHWSW VANTLNPYHEANDDLMMIMD DRLIANTLHWWYFGPDNTGDI MTLKFLTGLQNFISSMGTVHLV TANGSFDCQ*NPAGDQRMVKG HCYFPSWNWLHLSKHTQCGNE FIFMTKKKQSLTAKSLPDTFS
14314	44682	A	14400	3	183	KRKEITNSLDAAASRGTVPAAL AGVQYLEPRAGAAGRLGGAG WGRVPRPGSS/SSL SLVGR*GW CPVLRTQGRCCRPPGGCWVGA RPAWELLSL SLVGR
14315	44683	A	14401	21	399	IWNSAPTASRRPWSLAPGSPRS TWCVASTPPCAPGKAREPRDRS EVPPATAPAVLQSHWPCPRSSR SGSAGNCVGP PHSWAPGHSQH LTPGPGHGGPRGP/CWHLLMQT AWPALTPPGAMPGEAEGQ
14316	44684	A	14402	59	478	RCSQPWHCPAALAGVQYLEPR AGAAGRLGGAGWGRVPRPREL LSL SLVGR*GWRPQE QDQLFPH LRRPVGTRSESTWGNRAGAAT W/RAATPSPWRT*NGTKSKQW TASGLWQKGDGDW*GSGKPPL PLSVPAGQRLVPVC
14317	44685	A	14403	1150	1319	PRRLPTACTP*RS/CSRYWMVP KSPRMTMMMWT KLARMGAQ W*PRKSNACLSRAASS
14318	44686	A	14404	34	304	LPSRGAGLGTCSPPCLSLPPTPW APVRPEPPRRAPPPAPRRVPST TQ/EARRSAASLLSPARPRAHRD GTNNSRRATLRAVTLTARVRG F

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14319	44687	A	14405	1	360	SSLSYLPAGQGSGPAARHA*A SHPLHGLLCGPSPNEHRPLLQ GAQSH*PPKG*GVRAHGVGLA GRSTCSP/ECGIH*VKPAGLLSFL GPRCFYEL*QSPRRSAAASLLSP ARSRAHRE
14320	44688	B	14406	80	1166	
14321	44689	C	14407	1	543	
14322	44690	B	14408	1	930	
14323	44691	B	14409	1	1473	
14324	44692	A	14410	388	606	
14325	44693	A	14411	1	798	
14326	44694	A	14412	687	832	
14327	44695	B	14413	1	1218	
14328	44696	B	14414	1	642	
14329	44697	B	14415	1	807	
14330	44698	A	14416	554	724	
14331	44699	A	14417	216	494	
14332	44700	A	14418	1	3408	
14333	44701	A	14419	330	858	VPSLDGQRGLELDTECRLVYLQ SLS*T*RFSTSSPEQLDTECRLV HSQTLCT*QGADWCYKP*VGL QVELPASPAPWLAFLSPWVVN GTGRHGAGGGARRGGSGCTGA HGVGGRLRHGRLQVSPAPWE GSCSLPSPIGPPFKRAHSV LQKG SSTLMVGTCASSPKVVPFHLLS
14334	44702	B	14420	182	1513	
14335	44703	B	14421	1	1608	
14336	44704	C	14422	1	1830	
14337	44705	A	14423	167	433	LPSRGAGLGTCSPCLSLPPTPW APVRSEPPRRAPPP/GSTVPSPIN HPRAEECERMARDWQAAPPAA PVRDPLGEASWAPEFFGSMPLPL
14338	44706	B	14424	32	352	
14339	44707	B	14425	103	451	
14340	44708	A	14426	158	921	LPSRWAGLGTCSPCLSLPPTP WAPVRPEPPRRAPPSAPRRVPV\ RPPKG*GVPAHGAGLAGSSTCS PDICRVCRSEGTPKPLYHPCVC TGSIKFIHQEC\YSPDMPSRLPIQ DIFAGLVTSIGTAIRYWFHYTLV AFAWLGVVPLTAWHQLDLGS TLNPGCSHLVILKLTSTKTLFP NKATFILVVLSQDKTLMEDPR MEDKWKEDRFSPFNSEALEITL GERHRPQTASVIPWFCSSRHVL NLGKINFEVD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14341	44709	A	14427	242	515	IQSVHWCIIHKP*ARHRVLIGVFT IPELDIKVLHVPTRLRNPAGFTH WILHRDCRCSCMPVLRHAPALL SPWVVNGTGRSRAGDSTHRGG SG
14342	44710	A	14428	759	988	TWPRKPLFPPRPLGL*WEGMLQ RSLTCPGDIFPIILVISIWLVTY ANFGSWL*FLPRKWVFPFFIPVP NKFLIFI
14343	44711	A	14429	130	788	VLQLIKAVWTPRTQEPSWLPPV NPARELQVELPASPAPCARTPQ LLGGRWDWAPWSRGWRSFGE ARAAQKPMEGVGGSGMAGCR SRALPHGKAAKARRAIEHSTGG LALLGDPVHSPQPLARVLSPLP RASRAGWLLRVRGPPSPRPPGT PAGRQAPHAAPVPARASPSTPP/ CRAERVGSSPGQPRKGLPQCRG EAEGLLKCHQSGSPGRGEELW HSR
14344	44712	A	14430	108	1686	ANRCPLPHPGTGAGRCLGASA GRAEEAGV*GPLHEGLGYRPA GLFLRADTGHRTPGWGGGGGG AGGRGGAAPGPGVGATRRFAG RRGCARHGAAPVAAVRICERL VLNVAGLRFETRARTLGRFPDT LLGDPARRGRFYDDARREYFFD RHRPSFDAVLYYYQSGGRLRRP AHVPLDVFLLEEVAFYGLGAAA LARLREDEGCPVPPERPLPRRAF ARQLWLLFEFPESQAARVLAV VSVLVILVSIIVFCLETLPDFRD DRDGTGLAAAAAAGPFPAPLN GSSQMPGNPPRLPFNDPFFVVE TLCICWFSFELLVRLVCPSKAI FFKNVMNLIDFVAILPYFVALG TELARQRGVGGQAMSLAILRVI RLVRVFRIFKLSRHSKGLQILGQ TLRASMRELGLLIFFLFIGVVLF SSAVYFAEVDREVDSHFTSIPESF WWAVVTMTTVGYGDMAPVT VGGKIVGSLCAIAGVLTISLPVP VIVSNFSYFYHRETEGEEAGMF SHVDMQPCGPLEGKANGGLVD
14345	44713	A	14431	1	427	
14346	44714	B	14432	8	323	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14347	44715	A	14433	20	1050	FNLVYMSHVSDEGALSESASAT AASWPPHGFLQHFPGRPQVPI CLYLLGQKTG*HMAPLLRQVT GSPIPPKTTPGRGIRNMKRNEKR RYKTLMDGWELHQELSLGRT SSLPPYKGGPWSPGFQKVSKG ANPVEIKRGVMLAVDAVIAEL KKQSKPVTKEEIAQVATISAN GDKEIGNIISDAMKKCGRKGIT KISSVQSIVTALEIANAYCKPLV IIAGDIDGEALTTLILNRLKVGL QVVAVKAPGFGDNRKNQLKDT VIATGGEVGEVTVIKDYAMLL KGKGNKSQIEKCVQEIIDQSDV TTSEYEKEKLS\EKLS\SDGVAVL KSHPWSFCTKIYPLT
14348	44716	A	14434	3	764	TTATVLARSIAKEGFEEKSKGA NPVEIRRGVMLAVDAVIAELKK QSKPVTTPKEEIAQVATISANGD KEIGNIISDAMKKVGRKGVITV KDGKTLNDELEIIEGMMKFDRA YISHPFINTSKGQKCGISRDAYV LLSEKKIS\SIQSIVPA\LEIAHAH RKPLVIAEDVDGEALSTLVLN RLKVGLQVVAVKA\PGFGDNR KNQLKDMAIATGGAVFGEEGL TLNLEDVQPHDLGKVGEVIVTK DDAMLLKGKGDK
14349	44717	A	14435	1	3288	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVFGTRLRRAEDVFPPVI GVAAHKGGVYKTSVSVHLAQ DLALKGLRVLLVEGNPDQGT SMYHGWVPDLHIHAEDTLLPF YLGEKDDVTYAIKPTCWPLDI IPSCALHRIETELMGKFDEGKL PTDPLMLRLAIETVAHDYDVI VIDSAPNLGIGTINVVC
14350	44718	A	14436	2	422	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14351	44719	A	14437	529	2484	WGINIIKKNKKAAPRAFGVRLE ECQPATENQRWQDLNVISSLLK SFFRKLPEPLFTDEELPLAPSFCE EEENGGRGGGPSRYRLEPMDT IFVKNVKEDGPAHRAGLRTGD RLVKVNGESVIGKTYSQVIALI QNSDDTLELSIMPKDEDILQLPA ERESGGEASEPPRVVRPEPSTRA LEPPAEDRGDEVVLRQKPPTGR KVQLTPARQMNLGFGDESPEPE ASGRGERLGRKVAPLATTEDSL ASIPFIDICVRPCAWLHALLDW MAQQRVLDMQGGSIGMGVSW DRELEEKGSEKGYDEPTSPSIDL QAKHVPASAVVSSAMNSAPVL GTSPSSPTFTFTLGRHYSQDCST SAHLNIFAGIFDISNDHLQVSTL ESNFTRIHLTHYTGGNFPAWLA WDAVPFSSDLLNLGVHVLETG AGTPFLGSACSSDGIASQMNTA GLPQIRDLPGHYYETLKFVGHV LKTIAHSEKNKMEPRNLALV FGPTLVRTSEDNMTDMVTPHA *PLTRSWETLIQALQTGSSVTKR YKGKENPCGLTRSLRQCPTLST FLPNIWQDSAPWRPGVSGPVG LKDSTTCSSAKSKGSWAPKKEP YAREMLAISFISAVKPQAQAAA GDAGAGQQHRRRLGAGGAQS LGRGPQRRGHQERS
14352	44720	B	14438	1	1473	
14353	44721	A	14439	5	694	VPDKWGWCLFMSRYLETAIRT AACAAAPRYLNPGRCSAARGPS SQSPRPWWSGHKKRTASPGWG GQSAASPMPPSRSWPASVGGPE FRLSETPSRPFTLSGMK*GWQV HSWAPALFCSVMSFSPDTCCLC K*AHSQPCSPSPSTVILLRETSSN WDWQPEDLGAPKASASPPSTT RITRLRSSELQLRRLNPDSCHR GFCFSFRCLLTPHEVLPKTVLRI QPGCKVA
14354	44722	A	14440	303	757	MAWKVSLRGRKVAGRAPSQRL WASPPSSGQSVKSLLLPPARRL CPGPGVPARCHRRI*GLGPGRG WRGEWRRDTNPWEPPQPRSPS/ G/PNCAWSDGCPRGAPRRPRAL *AGAARRAAPARI*VPWRGSAG GCSNRRLQVPAHE*TPTPFIRYL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14355	44723	A	14441	1	534	RHEDHSEPTFLISPSLLCFLLPSP PPLPRLTP\PAALLVPAVQRME PVLFLPAPGAAACRVWHPALPP PRQAAVSSSRPCY\PCVARSAPA GRVRAAGVPAPPPSSPRLGRV GGRSRSPNVVFRVRGAAPG/PG L*ISPWTP/PLNEAS*RQRGCPAS FAVYGGQEWPPQWPGPPRGP
14356	44724	B	14442	157	2143	
14357	44725	A	14443	258	4089	QLITCLSRPETGGKFEVDTRP VCPPSRARAARASAAVAAAA TLTPPTMDSFDLALLQEWDL LCVYEPDRNALRRKERERRNQ ETQQDDGTFNSSYSLFSEPKT NKGDELSNRIQNTLGNYDEMK DFLTDRTNQSHLVGVPKGPVPQ TPVKNIDEHFVADSRAQNPSSI CSTTTSTPAAPVQVQSKRGTMG WQKAGHPPSDGQQRATQQGSL RTLLGDGVGRQQ/HSGQTSVQC GGGPSDPGEATCHGGQ
14358	44726	B	14444	1	1326	
14359	44727	A	14445	453	710	SQHFGKPRQVDHLRPGV*DQP GQHGETPSLLKIQKLTGRGGAC LW/QSQLLRRLRQENRLNLGGG GCSEPGSCHCPPAWATERDSVS
14360	44728	B	14446	32	290	
14361	44729	A	14447	244	426	
14362	44730	A	14448	69	221	QWRFCGIERGERWGKD*EIGW LPCLCGKK*IWETFILFCTKKN SSALGSC
14363	44731	A	14449	27	220	AVILTAKICSFTPEPSKTTSPPGG TNNSRRATLRAVTLTVKVCST P*GSAASFLKSVRPRTHQ
14364	44732	A	14450	115	732	EPETRIDPLSWNSSQLPVAALH LPGMSSVGAGQAICNLCLGDL VSPSSLPALERTGPPPWNRGPK GRGRLPSL/TVSQPSLVIPPGTG KSEVNADRSRPPAYCSNLGRYS GPGPPSLVIPPGTGKSEVNADRS GPPAYCSNHFPSALP**RSSMRS LSLQQTSAWTCRHFHTSLKSR WRFPNLNSCLLCTCRPNTTWKP CLGACTL
14365	44733	A	14451	528	875	EHGYFQGTGQKCKSGKPPG GTLKTLVTLREPGRQLQSP*TS WVSRLP*YP*GDTGENCPKLS FHLRNLGPS*AG*RERPPQGG YLPPQAYRLMQGSAFWPLFGY APSPQR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14366	44734	A	14452	2788	3414	ACFSYIAFWRINTTSTANLSKES LTSTTSRSWVINVNIVIFCTDWL FYKWLLKNFPIYFYMIFPFNQIT FHSMGSCAARASPTSTTPCSTA PSPIDHPRAEE\SSTRRVGTGRQL HLQPAKICSFTPEPSKTTSPGG TNNS\SALP*EL*HSPRRAASL QFRTR*YPYRYQSQGPQSHF*L PLPLPSSIHDHF*LFHLQHTFQS HALLP
14367	44735	A	14453	662	1338	VLQLIKAVWTQRPLGGRWDW APWSRRWCSSGLRPHRNQWS GWEAQAWGLQVPEPCPAGRQL RPGEKSSTAPVCTSCCRTRSTA GPTGCPSTRDPTLSASPS*TST TSLATATASASMWAGSCTSIST RGSASLVHQALTWPGSGPASPR KR\TGSHPVA*AGVRWRAHRSL QPQTPGLK*SSHFSPLSGWNYR HSNHPISQSFPHLSPLSIPQNH CHHGPFMS
14368	44736	A	14454	3	415	DFLFSEILPASQSASAILPALPA SHRCPCLDVPLPPEVPGPARLP VAAASVWRPVQHLSLLGRWA GPT*DRTESRETNAEVEADLPP LYAHGRLEPTAGPSGASAVLST SSEYCPGPHPKMGHRRVTSCLS TCQS
14369	44737	A	14455	659	818	
14370	44738	A	14456	2	710	
14371	44739	A	14457	349	493	SS*VRWVSGR*HPQ*STLSAPLG ETSGCHQGGHLHDLKIVVL
14372	44740	B	14458	1	1338	
14373	44741	A	14459	83	426	
14374	44742	A	14460	93	345	APALCLQILLDCSVRNRTSRF RPREVGIIQYKKGGAAGKGG TGNAPGFLFSKDS*KDPTPLPP PLLL*GQRDH*IQLHQE
14375	44743	A	14461	1	1302	
14376	44744	A	14462	1	1174	
14377	44745	A	14463	274	1428	
14378	44746	A	14464	411	627	HCLSHFQNTGPRGDVDFQQL FPVLMADIRKEERSHLCRSSRR TWILDKS*IQGSRLSSKEQGW GWGTSRK
14379	44747	B	14465	1	1553	
14380	44748	A	14466	226	449	SLQPDI*CSGLRGSLLLV*PKSD
14381	44749	B	14467	1	2061	
14382	44750	B	14468	10	1099	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14383	44751	A	14469	34	406	GGGFISLDTGSHHKSHPGGS*H ALGWVRPHTLNSPPSQPGNC GNPAWEC*GPHG/APSRWSCST PCRSPHPKVPVVRVAGPAGGCT PYRT/PTRRTPR*RPGPCAACDR PLHPHCGPRGPGAYPR
14384	44752	A	14470	623	1671	VLRSVSSWLPTSMAMTVLAPM LRAMSAGRLLM*PPSMSRCPSL GSHSGGR*PDS/GHAGAHVPPQ GAIFVDSHG*GGDICGHVEVRQ P/QGPQSAYPGRPDGCCG*RQT Q*TWR*LGT*GPTQVPAPKSCS WPTPGPAASCGWRCAPPRTTLR *KSQWTCRPPGPRGPPPLMPL VLRCASSPWPRPRLAQQQWCS P*APSPSGRSRCAGPRAWRKPS RRAHAAWQGC GAKRGGADSA GAGAPSTSCAYLATPRCAWGP HPPLGGAGLAA*GRAQPCSPAS APAGRG*APGPPGPQ*GCSR PV AGSARSASARRPSGRVRYGV HPPAGPATLTAGTLGCYPVRRP PGVPG
14385	44753	A	14471	32	972	QSGTFSTKNEGRTTRDVYDGR GPRVGRCGTCVYVRYVHDRPH APHERARRNDGNTQRTGNAR PGTAMPTATTDQPKGRSTRHK ETKRGR TARNKGQNNPRK/RP RKDKRKQGSAGEGERGAGGKE KGQPRDTEAKGDRRTDFPPPNG P*GQSKRGANIGGWFP PRLGT PNPPLPGPQSAQVSGP*TPQMW MPTGTGCCGGSQ\SGSPPPWCV SP*PVAEALFHSST/PAPRHPSPP SSSPKHSHQPSTPPP*ISLGQGPC RPPKRRPAPDQPQVPRCPEPSC AYLATPRPTMRMQSACRGSAR SRASARRPSG
14386	44754	A	14472	1	3128	
14387	44755	B	14473	239	5474	
14388	44756	A	14474	542	781	PASIMTGSISHITILTVNRLN ASIKRHRLTDWQIR/IKSQDLSV CYIQETHFTCKDPHKLKIKGWR KIYQVN*KQKKK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14389	44757	A	14475	724	1340	QLTLQGRRVAPR*PSRVALEQE/ CGYNALLRYEGFENDSGLDFW CNICGSDIHPVGWCAASGKPLV PPRTIQHKYTNWKAFLVKRLTG AKTLPPDFSQKVSESMQYPFKP CMRVEVVDKRHLCTRVAVVE SVIGGRLRLVYEESDRTDDFW CHMHSPLIHIGWSRSIGHRFK RSDITKKQDGHFDTPPHLFAKV RSFYKNPHL
14390	44758	A	14476	1822	2226	KRLFTNRTRITPFVAINSHHHHH HHITIINTIITTTSTINSHHHHHY YHHHHHHHHHHQHHTTTTNTTT TNTTTTNNNTTITITITTTNTT TTSTINSHHHHHNQCHHHHH HHHH/HHHHHQYHHHHH*HYQ \HHHHHHYHHHHHHHHHHQ/ HHHHHQHHHNQHHHHQQQH DHHHHYHHHQHHHHQHYQH HHHHHNQCHHHHHHHHHQH HHDPPHHQH*HSHQH
14391	44759	A	14477	232	625	EGCCCIAMVQKYQSPVRVYK YPFELIMALRK\RYPRCCVTC* TGGAQQVGFRFLDPLSLCTP* CLWRTSSSNF*RKAAGCSGSR QSHHFGILPQPTAPKPWSSPLHI TKPQTLGQRDPGPRTRKRSK
14392	44760	A	14478	1	808	MPKTTACNVHTVTWASCENAD SDSTGLRHHDSCEDPASGRSD LCLVPHPTRPAVRGGRPAGGRC PAVPAEGPWRHLQQAQEGKKR LAGGLERLLENPVRRALPQGA QGHRAEPTEARPHPAPEIIRAG AAAERAERLESQPVGASAAAA SAASARIPYLVAVPAAGPPRRH CRRHRRGPGTSSGPRTALIRPAT ARARAGIVSEPRTAPGATRARP WRQGSHNPVAPSAP*LLRGPSIP WQIRPMPCTSHQTCSERRPSG RWQMPGSACRRSLETSSAGAG RAQEAGGRLGETSGESG/RAGL YLKELRAIVLNQQRLVRTQRQS IDELERRLNELSA*NRSLWEHP QLPQAQPPPGLTS*PSPLPALL GTAAAATAGAQEHLQDHGQRS SARPLPAELASFQNEQLLAQ PEPDGGRAHTTQSPHQHPGTL GVKANKEKKGPPGCCAAPGTP LQQESPAPSARES

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14393	44761	A	14479	1	831	MIRYFGDYWTQALLTLIPGDPK HPRGPPVKVGVYGGQGYNSL ALCHNFIWRELNRFSLQLQDVPL VRYIDNIMLIGSIKFLGVQWCG ACRDIPSKDPADPMVLEVSAD RDVWSIWQALIDESQQRPLGF WSKSLPSSADNYSPFERQLLAY YWALVETERSTMGHQVTMLPE LPVMNWVLSDPSSHK/ANGLA GWSGTGKKHDKIGDKEIWRR GMWMDLSEWSK/D/VKIFVSHV SAHQRVTSAAEEFNQVDRMT RSMDDTQPLYPTTPVIAQWAHE
14394	44762	B	14480	56	3476	
14395	44763	A	14481	3	591	DPADPMVLEVSEADRDA\VPIS ESQQRPLGFWSKALPSSANNYS FFKRQLLACYWVLVEIEHLM GHQVTMRPELPIINCVLSDPCSH KVGHAQQHSIIKWRWYIHDWA EGTSKLHEEVAQIPMVSTPSLP QPAPMASWEVPYDQLTEEEKT RAWFTDGSARHAGATQK WTA VALQPLSGTSLQDSSEKSSQW
14396	44764	A	14482	1	1275	MEKNDIDQSRRRKVVEMNENV QLVRYGEQASDLKTATKFKSPS EVKHIRFIQAFIGSKLLMRPW TTVTQKILSLKSALIALESILPC RKRAEFVEKQTQAFIMQVSDL QQKVHAQPSQVSTVKVKALIG KEWDPATWNGDVWEGPDEAG DTEFVNSDEAFLPEATAFPSPEV GNDQTVWGLLDTGSELMLIPG DPKYRGRPPVKVGAYGGQVIN RGLAQIQLSMDPVGHRTRPVVS SPLPECIIGTDILSSRNPHIGSLT DITLVHYIDIMLIGSSEQEVTIT LDLLVQAVAQAALPVGPDPA DPMELKVSVAADRDAVWSLWQ APIVTMRPERPIMNWVLSDPSS HKVGCAQQHSIIKWKWYIRDW ARSGPEGTNHSRRVCS/LPQVQ APSAR*ATARRGQAASGCCLF WSCTCFSNFDV
14397	44765	A	14483	604	1760	NSWCRWFNFRY*YPTFYWES* NT*IPLREWFG*NHDASCP*TLD SKSFSFETRGTGSPCSSLQTAYC GTLWIVQGV
14398	44766	A	14484	2710	3060	
14399	44767	A	14485	3	227	
14400	44768	A	14486	3	266	
14401	44769	A	14487	2	564	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14402	44770	A	14488	2	503	FFFFLPIGFWRQHPRLSVLLQHI Y*VT*NAASFEWGPEQEKAL*Q VQAVVQVALPLGPYDPADPML LEVSVADKDAGCTRLQAPIGE SQWRS LGFRSKALRSSAENYSS FERQLLACYWALVETECLETLG HQVTI*PELPIMNWVLSDPSSHK VGHEQQHSIIKWK
14403	44771	A	14489	2	469	
14404	44772	A	14490	1	633	MTVDYRKFNQVVTPMAA/AVP DAVSLLEQINTFPGTWYAAIDL ANAFSIPVHEAHQKQFAFLPQ GYINFPALCHNLIRRELDFFLLL QDITLVHYIDDILLIGSSEQEVV NTDLLIHKRSKEAEHTAASRIR VSCLPEQKSHEQTLPEQVPSS GDIKEYFPNAFVLLTTASLQGG DNTSQLQLTWKAPEDIKMSKT DADADEEIEALRG
14405	44773	A	14491	1	518	MTVDYCKLNQVVIPIAAAVSD VVSLLAQINTSPGTWYAAIDLA NAFFSIPVHKAQQKQFAFSWQG QQYTFTVLPQWYINSPALCHNL IRRDLCFSLPLDITLVHYIDDI MLIGSTIKWVVHSS/DSIIKWKW YVHDWARAGPEGTTNGLAG*S GTCKKHEWKTGDKGIRGRG
14406	44774	C	14492	33	932	
14407	44775	B	14493	27	2457	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14408	44776	A	14494	332	2158	RGYVFCSWKKT DGS/WRMTVD YCKLNQVVIPIAAVSDVVSLL EQINTSPGTWYAAIDLANAFFSI PVHKAQQKQFAFSWQGGQYTF TVLPQWYINSPALCHNLIRDL DCFSPLDITLVHYIDDIMLIG\P RQLLACY/WALVETEHLTISHQ VTMRPELPIMNWVLFDPSSHKV GCAQQHSIIKWKWYVHDWAR AGPEGTTTPVISQWPHEQCCHG GRDGGYAWAQQCRLPLTKAD LNTATAKRPICQQQRPTLSPQY GTIPQGDQPATWWWVDYMG LPSWKGQRFVLTGIDTYSYG GFAYPACNASAKTAICGLTECLIH HHDIPHSIASDQGFHMAKEVR QWAHDHGIHWSYHVSHHPEA AGLIEWWNGLLKSQLQCQLGD NTWQGWGKVLQKVYALNQH PIYGTVSPIAKIHRSRNQLEVA PLTITPRDPLAKFLPPFATLQS AGLEVLVPEEGLPPGDTMIPL NWKLRLPPRHFGLLPLNQQA KKGVTVLAVTDLDYKDEITL LLHNGGKEEYAWNTGDPLGLL LILPCPMIKVNGKLQQLKPEAL VPKGVVFPFGDTTMLSLSWKL RLPSGHVGLLMPLSQQVQKGV
14409	44777	A	14495	1	3187	MAEGKEEQVLSYTDGSRQREN EEDAKAETPDKTIRSHETYSLPR EWYEGNRPHDSITSQWVPPTTR GNYGSTIQDEIWVGDSHGYVRP VPVPRSLNSDISYFGVGGKQAV FFVGQSARMISKPADSQDVHEL VLSKEDFEKKEKNKEAIYSGYI RNRKDDYDNHTGIDLVTIATI KGSNEEDTDTPFIGKVRTLFP FVNGSAEIMLMPSNQHKTE KGRANLGVFSVFAPRGEHTLQ VKAIYNKSIIEGP
14410	44778	A	14496	266	467	
14411	44779	B	14497	152	1245	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14412	44780	A	14498	1	1445	MLRAAAGGQGLAAAGMGLCA RPAGGSQ LPRERMKGNRACLP LPPAVALTKGREKPDAGHQGR STQMMRESERGPCTHWTEERP GRQLKILLQKQMRQNTLMAFQ VSWDGRNKEIGRTFPHATAPHT QQLIFAMKIKRTGVTVEPWGLF ETGQRIRPIQAAGL*LSSSSTTC VALAPLLTMHVKSLALLSAP/Q MGALSTITSITTTTRRQTPAESHF PAARFHLLAPHSP LPPCCPGEP SESAVTVLCFAKGKTAQDAAV\ PTTSLTAAGHLAPRS*SSWSRM PVKVRRAPDSL PETSahalPLT H*SWLPSASWGPASRALPGSEW VLKPVWQ/AITGPVSQITSSPGIP KPGPLQA*GSAHPQALGFSVL QIPLSNSPTSPMTPLPRPKISNS SLPSQ/PPQALFPNRWTNSSSPV HVITSAAQ\PRTPREWPAVSFYR TTATTASLIPHLWAPPQEN*QTS PAQNGSTLPCMSQATFHFPSP
14413	44781	A	14499	44	455	HLRNRTR/PSQITPHIYNHLIFDK /PLFNIWWENWLAICRKLKLD PFLTPYTKINSRWIKD*NIRPKSI KNLEENLGNTIQHLG/TGKDFM TKTPKAMATKAKIDIWDLIKLK SFCTAKETHIRVNRLPT*WEKIF AIYP
14414	44782	A	14500	1	346	
14415	44783	A	14501	1926	2448	DFIAVITTRKQLKTKYNAHHSK QAITKHFSKISDLILCKKKIM NRHFSKEDIYA AKKHKMKCSP SLAIREMQIKTTMRYHLTPVRM AIIKKSNNRCRRGCGEIGTLLH CWWDCCLVQPLCKSMWRFLR DLADPAIPLLG IYPKDYKSCCYK DTCTRMFIAALFTIAKTWNQP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14416	44784	A	14502	1	2142	MIILIDAEKAFDKIQQPFMLKTL NKLGI DGTYLKITRAIYDKPTA NIILNGQKLEAFPLKTGTRQGCP LSPLLFNIVLEVLAQAIRQEKEI KGIQLGKEEVKLSLFADDMILY LENPIVSAQKLLKLISNVSKVSG YKINVQKSQAFLYTNNRQTESQ IMSEFPFTIATKRIKYLGIQLTRD VKDLFKKYKPLLNKIKEDTNK WKNIACSWIGRINIMKMAFPR WELNNENTWTQEGEHHTLGPV VGWGKRGGIALVDIPNVNDKL MVLEVLARAIRQKKEIKGIQLG KEEVKLSLFADDMIVYLENSIV SAQNLKLISNFSKVSQYKINVQ KSQAFLYTNNRQTESQIMSEFP FTIATKRIKYLGIQLTRDVKDLF KENYKPLLKEIREDTNKWKNIP CSRIGRINIMKMAILPKVIYRFN DPIKLPMTFFTELEKTTLKFIW NQKRACIAKTILSKKNIAGGITL PDFKLYYKATVTKTAWYWYQ NRDIDQWNRTEASEVTSHIYNH LIFYKPDKNKKWGNDSLFNKW CWENWLAICRKLKLDPFLTPYT KIHRSRWIKDLNVRPKTIKTLEEN LGNTIQDIGMGKDFMTKTPKA MATKAKVDKWDVIKLSFCTA KETTIRVSRQPTWEKIFAIYPS DKGLISRIYKELKQIYRKKVTNN PIKKWAKNMNRHFSKEDIYAA NRQMKKCCSSSLVIREMQIKTTM
14417	44785	A	14503	209	3816	QGRPTFRFRKYREHHKDTPREE QLQDT*SSDSPKLK*RKKC*GQ PERKVKLPTKGSPSD*KRISRQ/ KTLQARRQSWFEKINKIDRPQ ARLIKKKREKNQIDTIKNDKGD ITDPTEIQITIREYYKHLIYANK LENLEEMDKFLDTYTLPRNLNQE EVESVNRPIGTSEIEAITNSLPTK KSPGPDGFTAIFYQRYKEELVP FLLKLFQPIEKEGILPNSFYEASII LIPKGRDTTKKGNFRPISLMNI DAKIL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14418	44786	A	14504	1	2877	MENDFDELREEGFRQSNYSEL EDIQTKGKEVENFEKNLEECITR ITNTEKCLKELMELKTKAQELR EEWRSLSRCDQLEERVSAME DEMNMKGEGKFREKRIKRNE QSLQEIWVYVVRPNLCLIGVPE RDGQNGTKLENTLQDVIQENFP NLARQANVQIQEIQRTPQRYSS RRATPRHIIVRFTKVEMKEKML RAAREKEIQTITISEYYKHLTYN KLENLEEMDKFLDTYTLPTLNQ EEVESLNRPIITGAE
14419	44787	A	14505	1	2347	MELKTKARELHDECTSLSSRF QLEERVSVMEDEMNMNLPTK KSPGPDGFTAIFYQRYKEELVP FLLKLFQSIEKEGILPNSFYEPSII LIAKPRDITTKENFRPISLMNI NAKILNKMLANQIQHHKKLIH HDQVGFIPGMQGWFNIRKSINV IQHINRTKDKNHMISIDAEKAF DKIQQHFMKLTNLKLVLEVLA RAIRQEKEIKGIQLGKEEVKVS FADDMIVYLENPTVSAQNLLKL IGNFSKVSQYKINVQKSQAFY TNNRQTERQIMSELPFTIASKRI KYLGIQLTRDVKDLFKENNKPL LKEVKEDTNEWKNIPCSWVGRI NIVKMAILPKVIYRFNAIPIKLP MTFFTELEKTTLKFIWNQKRAC IAKSIFSQKNKAGGITLPDFKLY YKATVTKTAWYWYQNRDIAQ WNRTEPSEIMLHIYNLIFDKPE KNKQWGKDSL FNKWCWENWL AICRKVKLDPFLTPYTKMNSR WIKDLNVRPKTIKTLEENLGITI QDIGVGKDFMSKTPKAMATKA KIDKWDLIKLSFCTAKETTIRV NRQPTTWEKIFATYSSDKGLISR IYNELKQIYKKKTNNPIKKWAK DVNRHFSKEDIYAAKKHMKKC SSSLAIREMQIKTTMRYHLTPV RMAIIKSGNNRRIQ/GGIWCD RIL*R*TTCTRVAKIQLS*RR/W KRLQRTLSIPVLDAV*PPMF*AS
14420	44788	B	14506	1	2265	
14421	44789	A	14507	1	2832	
14422	44790	A	14508	1	2109	
14423	44791	A	14509	1	2757	
14424	44792	A	14510	1	2304	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14425	44793	A	14511	1	2685	MGDFNTPLSTLDRSTRQKVNK DTQELNSAPHQADLIDIYRTLH PKSTEYTFFSAPHHTYSKTDHIL GSKALLSECKRTEIITNYLSDDS AIKLELRIKNLTQNRSTTWKLN NLLDDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFVALNAHKRKQGRSKIDT LTSQLELEKQEQTTHSKASRRQ EITKIRAELEIETQKTVQKINES RSWFFERINKIDRQLARLIKKKR EKNLIDAIKNDKGDITDPTEIQ TTIREYYKHLYANKLENLEEM DKFLDTYTLPRLNQEEVESLNR PITGSEIVAIINSLTTKSPGPDG FTAIFYQRAIRQEKEIKGIQLGK EEVKLSLFADDMIVYLENPIVS AQKLISNFSKVSQYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLGIQLTRDVKDLFKEN YKPLLKEIKEDTNKWKNIPCSW VGRINIVKMAILPKVIYRFNAIPI KLPMFTFFTELKKTTLNFIWNQK RAHIAKS/VLSQKNKAGGITLP DFKLYYKATVTKTAWYWYQN RDTDQWNRTEPSEIMPRIYNL IFDKPEKNKQWGKDSL FNKWC WKNWLAICRKLKLDPFLTPYT KINSRWIKDLNIRPKTIKTLEEN LGITIQDIGMGKDFMSKTPKAM ATKAKIDKWDLIKLKSFCTAKE TTNRVNRQPTKWEKIFATYSSD
14426	44794	B	14512	1	2337	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14427	44795	A	14513	1	1544	HINRAKDKNHMIISIDAEKAFD KIQQHFMMLKTLNKLGDGTYFR KSINVIQHINRAKDKNHMIISID AEKAFDKIQQHFMMLKTLNKLGI DGTYFRKSIN/DNPAYKQSQRQ KPLIISIDAEKAFDKIQQPFMLK TLNKLDNIIVYLENPIVSAPNLL KLISNFSKVSGYKINVQKSQAF LYTNNSQTESQIMSELPFTIASK RIKYLGIQLTRDVKDLFKENYK PLLKEIKEDTKKWKNIPCSWVG RINIVKMAILRKVIYRFNAIPIKL PMTFFTELEKTTLKFIWNQKRA PVAKAILSQKNKAGGITLPDFK LYYKATVTKTAWYQYQNRDI GQWNRTEPSEITPHVYNYLIFD KPEKTKQWGKDSL FNKWCWE NWLAI CRKLKLD PFLTPYTKIN SRWIKDLNVRPKTIKTLEENLGI TIQDIGMGKDFMSKTPKAMAT KDKIDKWDLIKLSFCTAKETT IRVNRQPTEWEKTFATYSSDKG LISRIYNELKLIYKKKTNNPIKK WAKDMNRHFSKEDIYAAKKH MKKCSSSLAIREMQIKTTVRYH LTPVRMAIIKKSNN
14428	44796	B	14514	110	2153	
14429	44797	A	14515	1	3210	MVKGSIQQEELTILNIYAPNTG ALRFIKQVLRDLQRDLDSHTIIM GDFHTPLSTLDRSTRQKVNKDI QELNSALHQEDLIDIYRTLHPKS TEYTFFSAPHHTYSKIDHIVGSK ALLSKCKRTEIITNCLSDHSAIK LELRIKNLTQNRSTTWKLNLL LNDYWVHNEMKAEIKMFFETN ENKDTTYQNLWDTFKAVCRGK FIALNAHKRKQERSKIDTLTSQ KELEKQE QTHSKASRRQEITKIR AELKEIETQ
14430	44798	A	14516	3	2820	ENKDTTYQNLWDAFKAVCRG KFIALNAHKRKQERSKIDTLTS QLKELEKQE QTHSKASRRQEIT KIRAELEIETQKSLQKINESRS WFFERINNIDRPLARLIKKKREK NQIDTIKNDKGDITDPTEIQT REYYKHL YANKLKNLEEMDKF LDYTYL PRLNQEEVESLNRPI TGSEIVTIINSLPTKKSPGPDG FTAEFYQRYKEELVPFLKL FQSIEKEGILPNSFYEASII LPKPGRDTTK KENFR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14431	44799	A	14517	687	2274	LRDCKRINQHPVKTDQSAFCK M/API/MQDVVLEVLARAIQEK EIKGIQLGKEEVKLSLFADDMI VYLENPIVSAQNLLKLISNFSKV SGYKINAQKSQAFLYTNNRQTE SQIMSELPFTIASKRIKYLGIQLT RDVKDLFKENYKPLLKEITEDT NKWKNIPCSWVGRINIVKMAIL PKVIYRFNAIPIKLPMTFFTELE KTTLKFIWNQKRARMAKSILSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDQVQWNRTEP SEITPHIYNYLIFDKPDKNKQW GKDSL FNK WGWENWLAICRKL KLDPFLTPYTRINSRWIKDLNV RPKTIKTLEENLDITIQDIGMGK DFMSKTPKAMATKAKIDKWDL IKLSFCIAKETTIRVNRQPTKW EKIFATYSPDKGLISRIYNELKQI YKKKTNNPIKKWAKDMNRHFS KEDIYAAKKHMKRCSSSLAIRE IQIKTTMRYHLTPVRMAIHKKSG NN/R/CF*WQKPGPSG*ALRSWK EDIAGTSYVGMNQCQMRKNTK TLI
14432	44800	B	14518	1	3192	
14433	44801	A	14519	1	2814	
14434	44802	A	14520	1	3144	MGDFNTPLSTLDRSSRQKVNK DTQELNSTLHHADLDIYRTLHP KSTEYTFFSAPHHTYSKIDHVV GSKALLSKCKRTEITNCLSDHS AIKPELRIKKLTQNRSTTWKLN NLLLNDYWVHNKMKAEIKMFF ETNENKDTTYQNLWDTFKAVS RGKFIALNAHKRKQKRCKIDTL ASQLKEVEKQEQTTHSKASRRQ EITKIRAELEIETQKTLQKINES RSWFLERINKIDRPLARLIKKR EKNQIDVIKNDK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14435	44803	A	14521	1	2616	TTYQNLWDAFKAVCRGKFIAL NVHKKQERSKIDTLTSQLKEL EKQEQTHSKASRRQEITKIRAE KEIETQKTLQKINESRSWFFERI NKIDRPLARLIKKKREKNQIDAI KNDKGDITNPTEIQTIREYYK HLYANKLENLEEMHKFLDITYT LPRLNQEEVESLNRPTGAEIVA IINSLPTKKSPGPDGFTGEFYQR YKEELVPFL/LKLFQSIEKEGIM NIDAKILNKILANRIQQHIKKLI HHDQVGFIQGRQGFNICKSIN VIQHINRAKDKNHMIISIDA EKA FDKIQQLFMLKTLNKLIGDGT FKIIRAIYDKPTANIILNGKKLEA FPLKTGTRQGCPLSPLLFNIVLE VLARAIRQEKEIKGIQLGKEEV KLSLFADDMIVYLENPIVSAQN LLKLISNFSKVSGYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLGIQLTRDVKDLFKEN YKPLLKEIKEDANKWKNIPCSW VGRINIVKMAILPKVIYRFNAIPI KLPMTEFFTELEKTTLKFIWNQK RAHITKAILSQKNKARGITLPDF KLYYKATVTKTAWYWYQNRD IDQWNRTQPSEITPHIYNLIFD KPDKNKQWGKGSLEFNKWCWE NWLAI CRKLKLDPFLTPYTKIN SRWIKDLNVRPKTTKTLEENLG ITIQDIGMGMDFMSTPKAMAT KDKIDKWDLIKLSFCTAKETT



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14436	44804	A	14522	782	3024	SKTVPTGNSLEPTQNCWLQQW LPQDIEIEKQEQT/HSKASRRQEI TKIGAELEEIETQKTLQKINESR SWFFEKINKSDRPLARLIKKKR EKNQIDAINKDKGDITTDPTIEIQ TTIREYCKHLYANKLENLEEMN KFLDTYTLPRLNQEEVESLNRPI TGSEIEAIINSLPTKKSPGPDGFT AEFYQRYKEELHINRTKDKNH MIISIDAEKAFDKIQQRFMLKTL NKLVLVLARAIRQEKEIKGVQ LGKEEVKLSLFADDMIVYLENP IVSAQNLLNLISNFSKVSQYKIN VQKSQAFLYTNNRQTESQIMSE LPFTIASRKIKYLGILTRDVKD LFKENYKPLLNERKEDTNKWK NIPCSWVERINIVKMAILPKVIY RFNAIPIKLPMFTFFTELEKTTLK FIWNQKRARIAKSILSQKNKAG GITLPDFKLYYKATVTKTAWYS YQNRDIDQWNRTEPSEILPRIYN YLIFDKPEKNKQWGKDSL FNK WCWENWLAICRKLKLDPLKP YTKIKSGWIKDLNVRPKTIKTL EENLGITIQDIGMGKDFMSKTP KAMATKAKIDKWDLIKLSFC TAKETTIRVNRQPTEREKIFATY SSDKGLISRIYKELKQIYKKRTN NLIKKWVKDMNRHFSKEDVYA AKKHMKKCSSLAIREMQIKTT MRYHLTPVRMAIKKSGNNRITI VLLPGSLIVRSFHVTLNAILLHP
14437	44805	A	14523	1	1701	
14438	44806	A	14524	1	4434	
14439	44807	A	14525	1	2913	MGGPAALCIAVVPGLVVALC LEEGLGSGIATWACSPWRISQG THLTFRSSLAVAAIPEGLPIVVM VTLVLGVLRMAKKRVIVKKLPI VETLGCCSVLCSDKTGTLTANE MTVTQLVTSDDLRAEVSGVGY DGQGTVCLLPSKEVIKEFSNVS VGKLVEAGCVANNAVIRKNAV MGQPTEGALMALALKDQEDIY FMKGALEEVIRYCTMYNNGGIP LPLTPQQRGAGPGDTALPSAAS AFARMSAAERND AFQG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14440	44808	A	14526	1	3009	MGDFNTPLSTLDRSMRQKVKK DTQELNSALHQADLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTEIITNYLSDGS AIKLELRIKNLTQNRSTTWKLN NLLLNDYWVPNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFIALNAHKRKQERSKIDTL TSQKLEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
14441	44809	A	14527	1	4800	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRAEIIITNYLSDHS AIKLELRIKNLTQSRSTTWKLN NLLLNDYWVNNEMKAEIKMFF ETKENKDTTYQNLWDAFKAVC RGKFIALNAHKRKQERSKIDTL TSQKLEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
14442	44810	B	14528	1	2901	
14443	44811	A	14529	569	3443	RKH*TWKRTSSTSHHKNMNP* LEKQEQTHSKASRRQEITKIRAE LKEIETQKTVQKINESRSWFFER SNKIYRPLSRLIKKKREKNQIDT IKNDKGDTTTDPTEIQTITREYY KHL YANKLENLEEMDKFLDTY TLPRLNQEEIESLNR PITGTEIVT IINSLPTKKSPGPDGFTAIFYQR YKEELVPFLKLQFSIEKEGILP NSFYEASIIIAKPGRDTTKKEN FRPISLMNIDAKILNKILAKRIQ
14444	44812	A	14530	3591	8157	TGTSQKKTFMQPKKHKMKCST ITGHQSNANQNHNEIPSHTKLE WRSLKRSNGNRDVG NVVEAM YGDLPPIMLIGHSMGGAIAVH TASSNLVPSLLGLCMIDVVEGT AMDALNSMQNFLRGRPKTFKS LENAIEWRNIKDL SWADSIKNV AAASLACISGALPASAVTTSPD NKR MARNVLKYERLLAESPNH VVAEAVIQRPNIPHLQTRDITYE GLCQTLGSQPTLYQIPSLYCSYE TNSNAYLLLQPIRKEVI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14445	44813	A	14531	172	328	AVKTEPEMKSQATKLSVVHEK KSQEGKPKHEHTEPKSLPKQASD TGSNDAHNIKAVSR*SHRQPSC LWFMRKPNPKKESRKNTQSQKA YPSRHQIQEVTMLTI
14446	44814	A	14532	3	660	TSPDCWEEGRSVDWPRPGPALS LHNCKLDLGIEGGTLQPPTPSF* PTGTRAV/PTRRRSRQETQLNSE RTVSPGSR**EKRTSRAW/RSPL QGPFGHAGQVAGGTGPRTGS TRGD/TLQKCGKIQSVPLNCELI PI*/PSILKPKVLPSCPCGIGASS\N CPSD*VFFCTS*PWPYLLSYPLS MNFYRYHDHILKLLVQYTLYL LLQLQVLLKYLLSHPKQHS
14447	44815	A	14533	1	1086	MVDNDVPWPLVVAQEKGPDP LCLSSKGYRPLALVQLDFHQVS VTSKIFILSGALRSLTGAATAD WTCRVLVIYPHDIMADSECNSL LVPSTTRKIMKHMASEKIKTQ NFNYNVDECVSLLYHHKANKL EAAEARQECCELLRVASVSRHC W/RDPAHPHSCWPRC*APHCLG PARAPNARPAKPATTWNLRSSR APCAAPVPTQSWAGAPSGTAG AEPS*ECRPPENQARTAGSGVH AEACAPATCPACPGPGPCSGLP SSGRALFLL/CATLAIPCV*V*LC FLATPPPCR*HVTAPSAGKCIW* PDA*VTK/PRDLCGPVQVARDN GPRQVAQKKESSYVSWFGTFI SRVGDRSPPPRAATL
14448	44816	A	14534	23	506	PDIDNIFSEFGAKSKPYLTVDQ MMDFINLKQRDPRLNEILYPPL KQEQVQVLIEKYEPNNSLARKG QISVDGFMRYLSGEENGVSPE KLDLNEDMSHPLSHYFINSSHN TYLTGMNFLVLCYFSQSHQISP TSTFCCSEAEV/WFSSISCEVPLR TLGFHH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14449	44817	A	14535	341	1248	KNAFTSFLTSFPPGQISVDGFMRYLSGEENGVVSPKLDLNEDMSQPLCFMGIWGLFCWCFIAGQLAGNSSVEMYRQVLLSGCRCVELDCWKGRTAEEEPVKILAY*1YMCSHF*EVIEAIAECAFKTSLP TFLLLFLFSLSPKQQAkMAEYCRLIGSSIFKEYAFHFY*LESGVPLPSPMDLMYKILVKNKKKSHKS SEGSGKKKLEQASNTYC*NGDMMICY*NLTGADTESDADSDSGNV/CLFYSYFQGTAGSEAMATEEMS NLVNF LTFPFFVLLLLNSE RNKSFEMSSFVETKGL
14450	44818	A	14536	574	647	C*PGNM/HISGQHLVAGEKEAESEDEEEEDMKLLGTPEGGSKFTQKKVKLA ADEDDDD/DDDADDD DDDDDDDDFDDEETEEKAPV
14451	44819	A	14537	3	630	PGATHASAPPGVLRKCGSGPVHIIGQHLVAVEEDAQSQDEEEEDVKLLSISGKRSAPGGGSKVPQ KKVKLA ADEDDDDDDDEEDDD EDDDDDDDFDDEAEQAPVKK SARDTPAKNAQKSNQNGKDSK PSSTPRSKGQESFKKQEKTPKTP KGPSSVEDIKAKMQASI/EKKG GSLPKVEAKFINYVKN\CSRMT DQEAI\QDLWRWRRSL
14452	44820	A	14538	1	1971	
14453	44821	A	14539	316	1169	RVGGQSHGTQRISLCRHSVCSP LARQSPSNMK*VRTEEIQMAVS CYLKRWQYVDS DG\PLKQGLR LPQTAEELAANLTVHRESHCAD IVSAVP\CAEPQQYEV\QFGR RNFLIDSDSPHSHEVMPLLYPLF VCLHLSLVQNSPKSTVESFYSR FHGMFLQKAS\QKGVIEQLQTT QTIQDILSNFKLRAFLDN NYVV HLQEDSYNYLIHYLQSDSYTAL CKMFILLIHLDVQPAKTTD*QL YASGSSSRSENNYLEAPDMPSPI LQNDAALEVLQERIKQVKDGC PSLTTVCFYNT*QLLNTAEISPD SKLLAAGFDNSCIKLWSLQSRK LKSESCQVDMSRIHLACDILEE
14454	44822	A	14540	1	297	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14455	44823	A	14541	2	1089	APLLGECRSGRGLASSRSRRRT TMTQSVVVQGLRRAGRDLVA AESSGHVSCLMSYSLSSGRS RLALREHAAVNQVPARRREPPR LSARSSSPYSFHLQSE*L*KKIH* LYFIFLSQAVLIDMEEGVVNEIL L*IRTNQIKK*MQGIFKIHLIFR AVGHKVFGSLYQDQILEKFQIL HNYILNHL C*FLKTL*SSGTGSG LGTFLKVL EDEFPEVYRFVTSI YPSGEDDVITSPFLVEYHLHPLF LIASLPMFFPQKSLFDIISKIDLM VNSGKV/GGTTVKPKSLVTSSS GALKIELHLKCIILKLIKFSF*C* LFSSARFEGSLNMDLNEISMNL VPFPSS*EIVSLKYVLYFN
14456	44824	A	14542	129	461	TCISGWHLFRASVTCPGIQTSPH NWHISDNSSLPNNIFIVCWNL GMTRNYIIFIEQPLKMNLWKIA TSKIRGKA FSDGIS\GNPQCNT R FHVVEKRTGQLLPGRYYSKPF
14457	44825	A	14543	1	522	
14458	44826	A	14544	1	927	MEDLLTEARSPYWGRARAKIQ DSCWSVTSDPNAGSVDILAPLL LPSPSSYLPNFTCTVSVVTSHLH EAFDLGFRGTGGSNCKTSRQV QLNNQKRKKKSKSLPFHMSL QIQNYKTQEPPHAKPSSQQHQH SEHESIQTCLVFRSSMTYMH TL KLIREKGSIMLSSTQGECPNSTC RWPAAEHPLGSTHREDQEHVIR VPPEKVDLGETIHGVQVICSIAS TEKGKPSYYHSFGMTRNYIIFIE QPLKMNLWKIATSKIRGKA FSD GISWEPQCNTRFHVVEKRTGQT T*INPDKISIQKHDIHAYIEAD KRKRKHNAVIHTG*M/YQI/GTC RWPAAEHPLGSTHREDQEHVIR VPPEKVDLGETIHGVQVICSIAS TEKGKPSYYHSFGMTRNYIIFIE QPLKMNLWKIATSKIRGKA FSD GISWEPQCNTRFHVVEKRTGQI LNVKTMRMKTFMMIYYHLMN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14459	44827	A	14545	1	882	MAEILTQVPDDMLKKKTTPRVK SVWRSQRGSCTPLIGTTELTD TSHMSIRNMDRSHINVHTVRKP SADLPYFRTHEWAHTGGKPYD CEECGKSFSIRSSIRRHIMHSG DGPYKCNFCGKALMCLSLYLIH KRTHTGEKPYECKQCGKAFSH SGSLRIHERHTHTGEKPYECSECG KAFHSSTCLHAHKITHHTGEKPY ECKQCGKAFVSFNSVRYHERT HTGEKPYECKQCGKAFRSASH LRTHGRHTHTGEKPYECKQCGK AF*PRFQMT*RRKLPE*NQCG EVSUGHVHSLNRHHRADTGHP YEYQEYQGKPYKCTYCKKAFS YLPYFRTHEWAHTGGKPYDCE ECGKSFSIRSSIRRHIMHSGDG PYKCNFCGKALMCLSLYLIHKR THTGEKPYECKQCGKAFSHSGS LRIHERHTHTGEKPYECSECGKA FHSSTCLHAHKITHHTGEKPYEC KQCGKAFVSFNSVRYHERHTHT GEKPYECKQCGKAFRSASHLRT HGRHTHTGEKPYECKQCGKAFG CASSVKIHERHTHTGEKPCSSNTS
14460	44828	A	14546	3	395	SAEVGAAETTLTELRRTVQSLEI DLDSMRNLKASLENSLAGILLHL ESELAQTRAEGQRQAQEYEAL LNIKVKLEAEIATYRRLLEDGE DFNLGDALDSSNSMQTIQKTTT RRIVDGKVVSETNDTKVLRH
14461	44829	A	14547	2	1044	AKTSSQMPSPQEGMCGKACTP ALSQADSLCPLLRLASEVEGYS LPACAEPYVQSECLSHLSVWSL QHALSSLASMSFTTCSAFTNYW SPGSVQVPSYGTQPVSHAASVY AGLGGSGSRISVSHFTNG\GGLA GMGGIQNEKETMQSLRDRLAS YLDRVRGLETENWKLESKIQEH LNVTRL*LETEIEALKKELLFM KKNNEEEAKGLQAQIASSGLTV EVDAPKS/QDLAKNMADSRAQ YDKLARKNREELDKYWSQQIE ESTRVVTTQSAKVGAEMTLT ELRHRVQSLEIDLSTRNLKAS LENSLREVEARYALQMEPSLLF SKIIFGRVWEISYLHVFEGKQV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14462	44830	A	14548	1	1212	GPGTGIAGGLAGMGGIQNEKET MQSLNDRLASYLDRVRSLETE NRRLESKIREHLEKKGPQVRD WSHYFKIIEDLRAQIFANTVDN ARIVLQIDNARLAADDFRVKYE TELAMRQSVENDIHGLRKVIDD TNITRLQLETEIEALK*ELLFMK KTPEEEVKGLQAQIASSG\LTVE VDAPKSQDLAKIMADIR\AQY DELARK\NREELDKYWSQQIEE STTVVTTQSAEVGAAET\TLTEL RRTVQVFGDSTWTSMRNLKA\ NLENSL\GEVEARYAL\QMEQL\ NGILLHLESQLGQTPRTEAQRQ AQE\YEALL\NIKVKL\EAIEICHL TRPPSWKIGEDFNL\GDSLDER NSMQTIQKTTTTRRISWIGQSGV LRPIDTKVLEALSQQEASGTLL GKQEANKKFQSFK
14463	44831	A	14549	1	2382	
14464	44832	A	14550	2	173	
14465	44833	C	14551	1	732	
14466	44834	A	14552	455	682	AWKRAVALGKSRPMGAVAFK RRMQPVAGPRAMQEKFPSSSS SLSIPPAF*YRLALSLAEPSSRW RARTGALMQL
14467	44835	A	14553	158	368	
14468	44836	A	14554	87	251	
14469	44837	A	14555	1	1026	
14470	44838	A	14556	201	578	
14471	44839	A	14557	336	767	AFVRAGSRFGGTPGARPDPA TRAPNPVGQSRHLRAASSRGRL FLRRTRDRKFPRRRLSRLLG AI/GCRWNQPRAAEKSFSAGAV LDFSPGLSCLPAVQGS GPAARH A*ASHPLHGLLCCPSIPDEHHPL LHGAQSHRPPKG
14472	44840	A	14558	6	535	ARHRVLIGVFTIPELDILSTSPD SGAQLASPS\DPAPGLQVELPAS PARCARIPQPLGGRWDWAQTQ EPSWLHLVEPAPGLQVELPAS TPCACIPQPLGDRWDWAPWSR GWCSLGRLGPHRSPWSGWEAE AWRAAGPEPCPTGRQLRLGEK SSAAPVGWHCWGTQYTLRSH WPGC
14473	44841	A	14559	375	638	
14474	44842	A	14560	92	514	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14475	44843	A	14561	54	380	SCHHYCRIHRRCARFLAGP*LPS RGARLGTCSPPCVSLPPAPWAP VRPEPPRRAPPPAPQRPVPTTQ GLRSAGARRGTGRQLHLQLRG SAASFLKSVRPRTHQFRTH
14476	44844	A	14562	531	773	
14477	44845	B	14563	92	1774	
14478	44846	A	14564	1	390	LHDLQLSKPLSDDTALTDDGG/Q PLPARWWAQPGRLQRCARFLA GP*LPSR/WGRARDLQAMPEP PTPSVGSCAAQASPTSAAPCSM APSPIDHPRAWPVLCSCFMLS LFVASISSCSQHQPQMVGTMVC L
14479	44847	A	14565	165	545	SLHSLCWWLQQLWVTDTCPR CSVQDCRQRWASAGNQS*RLL VDPAPGLQVELPANPVPCARIP QPLGGRWD*APWSRGWCSSGR LGLHRSPWSGWEAQAWRAAG PEPRPAGRQLGAMSCKVETGT
14480	44848	A	14566	1	309	SACLAGRPIRGEGRPRDLQAM PEPTPSMGSCAARASPTSATPC STAPSPIHHSRAEECGHTALG/H GRQLHLQPRNLPQTINWRTTYS SFPATLNRLDGGG
14481	44849	B	14567	1	843	
14482	44850	A	14568	143	535	
14483	44851	A	14569	375	571	
14484	44852	B	14570	289	972	
14485	44853	A	14571	27	363	
14486	44854	A	14572	2	490	
14487	44855	A	14573	574	961	RLTLPDRLGSPPDTHQAQQITW ALLPQGFADSPHYFSQAQISSSS ITYLGILHENTRALPADHV*LIS QTPISSTKQQLSFLGMVRYFC LWIPSFTILTKPLY*FTKANLAD PTDPKSFPHSSFRSL
14488	44856	B	14574	182	1513	
14489	44857	A	14575	894	1305	QTQEPSWLHLVDPALGLQVELP ASPVPCARIPQLGG*WDWAP WSRGWCSSGRLGPHRSPWSGW EAQAWRAAGPEPCPAGRQLRP GQHPL/RHMNKSQALSLLIAQP LGINLLSWPPKYNRPVPLIGL SGLLIPATF
14490	44858	A	14576	531	801	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14491	44859	A	14577	441	783	RAPPPAPWRPVPSTTQGLRSAG EQRGTGRQLHLAAPVRDPRG EAIWAPESGRSAASILKPARPPA HREERTTPDAPP*EL*HSPRRSA ASLREDPWLHS*SQ*DQEPTNS GHTVSQDQSYYS*LEVSETKNP PIPDTL
14492	44860	A	14578	344	1632	FLAGPYLP SHGAGLGTC SLPCL SLPPTPWAPVRPEP/PPMSTTPCS TAPSPIDHPRAEECERTAQDWQ AAPPAAPVWDPLGEASWAPES GTNISITPGNATFVTRVQQQAW FASCITGHDMSSSLKTSSVVVLR RQSEALLPANLTCNWQDSSAL ATLESALSQVRHKRFTFTLMVF TGSAIDIMATVSI VVSITESVQ TTAFVDNLAKNICDELL LQDM DEAGNQHSQQNNTRTENQTPH VLTHKWELNNENIRIQGGEHYI LGPVGGRDEKTL LRTYCLKSQ EGADTKCRNKH NKETQKQSKS LVYSSTLNPEKLLVCKRLSLEL TRPENTLRCTNIGKLKAVAGG MSAASGIYLETDTQPYPLKQEL KEIKECVGKNSVVVFLVRKK LSVSQYAFARCLDAKHSTSENV EIAGKLRIQSFEVGKQL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14493	44861	A	14579	3	2233	NWLPSVSRQCETHKIAANQSLT QRQMPLTSLYCDVVILPVSVGL ESLQSPYYRTSPCDPVSQFCLIK ISASSLPVLSLWKTLLKNAQSYQ RDYRHDNKAHYFQKLVTMQE NLYVLLCDEELDAVSLEAVHQ QKMKNRQAHSSSGCCQKVAN APRNEESSGQFRVIGNEKFEKG PCGVRQQIFEKVLLPNRTCEFV TPRFNRNFEDLIKDLKAAETLID FLVYEPKNQRRLVNRFRLPCKL LHNLGHPLKTDAAQSPRPKPPGP SWMPSTFGSKPPSHPLVSPHLNP QVWDTSSPSLATEHASLTISLKP NHPYPAQSQYSIPQHALKGSKP VITRLEHGLLKPINSPYNPILP VQKLDKSYRLVQHLCLIYQIVL PIHPMVPNPYTLSSIPFTTHYS VLDLKHAFFTIPLYPSSQPLFAF TWTDPDTHQAQQITLAVLPQCF IDSPHYFSQAQISSSSVTYLGIL MKTHIGLGAVEQGVVLVGEAR AAQEPMEWVGSGM/CGLQVP SPAPWEGS*GPARNRAQ\PVTIV PVLDNFNPAFHIIPTDTPDHDCI SLIHLTFTPFPHISFFPVPHLEHT WFIDGSSTRPNCHSPAKAGYAI VSSTSHEATALPRSTTSQQAKLI AYTDSKCAFHILHHHAVIWEER NFLTMQGASIINAFLIKTLKDI LLPKEAGVIHCKGHQKASDPIT QDNAYADKVAKKQLAFQLLSL
14494	44862	A	14580	1	642	SGTVPPTFVRTVIAQAGARTVI QQSLIGSLYIFRHCVRCCQIESV FVIIIWSRVGYDEKGFCLFTSVL GVWGHVVRTKPCLLITWRTLKS RSGLE*PAGFSSSPGTSPQIIRKQ KRGVPQHPVCDLPGRFRPRAGT PLAAQIQVPGLPPCGHQE*NRR WAGSSALCPPYLCARAGTGAV CRACEPAGV/AGWAWAWWAP HSEHAASPAGPRQWGT
14495	44863	B	14581	393	549	
14496	44864	B	14582	1	591	
14497	44865	C	14583	226	828	
14498	44866	A	14584	1	1362	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14499	44867	A	14585	1	585	MANVHQTMPMLRLKLPDSFKP PEPKSNSQRVSTEAGTAGALTP QHVAHSSPASLQLGAVSPGTL TPTGVVSGPAATPTAQHFQQSS FEIPDDVPLPAAREMAKTSSGQ RYFLNHIDQKTTQQDP\RK TML SQMNVIANPPVQQNMMNS\ PQS PQGGV/MGGSNSNQQRQMRPQ QLQMEERLQLKQQ*LLQQELA LR
14500	44868	A	14586	345	1053	RWRLQNLSFCSSCSGSGSEGAT CFARGRQQSNLQSKIKFPSNTD SRSTGYNSFDRQPNICFYKRQE TPHTGPHVPPEGRPYMPG*CG A*SPGPFASRN*SEKN*SYKCSL HTAFNVIFSSVI**RYCTRQW\HI VKCLDSFCDPFLISDELRRASTD AGTAGALTPQHVAHSSPASLQ LGAVSPGTLTPTGVVSGPAATP TAQHLRQSSFEIPDDVPLPTSW GEAKTSSGSKI PF
14501	44869	B	14587	607	1185	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14502	44870	A	14588	1	2142	MIILIDAEKAFDKIQPFMLKTL NKLIGDGTYLKITRAIYDKPTA NIILNGQKLEAFPLKTGTRQGCP LSPLLFNIVLEVLAQAIRQEKEI KGIQLGKEEVKLSLFADDMILY LENPIVSAQKLLKLISNVSKVSG YKINVQKSQAFLYTNNRQTESQ IMSEFPFTIATKRIKYLGIQLTRD VKDLFKKYKPLLNKIKEDTNK WKNIACSWIGRINIMKMAFPR WELNNENTWTQEGEHHTLGPV VGWGKRGGIALVDIPNVNDKL MVLEVLARAIRQKKEIKGIQLG KEEVKLSLFADDMIVYLENSIV SAQNLKLISNFSKVSQYKINVQ KSQAFLYTNNRQTESQIMSEFP FTIATKRIKYLGIQLTRDVKDLF KENYKPLLKEIREDTNKWKNIP CSRIGRINIMKMAILPKVIYRFN DIPKLPMTFFTELEKTTLKFIW NQKRACIAKTILSKKNIAGGITL PDFKLYYKATVTKTAWYWYQ NRDIDQWNRTEASEVTSHIYNH LIFYKPDKNKKWGNDSLFNKW CWENWLAICRKLKLDPFLTPYT KIHSRWIKDLNVRPKTIKLTLEN LGNTIQDIGMGKDFMTKTPKA MATKAKVDKWDVIKLSFCTA KETTIRVSRQPTWEKIFAIYPS DKGLISRIYKELKQIYRKKVTNN PIKKWAKNMNRHFSKEDIYAA NRQMKKCSSSLVIREMQIKTTM
14503	44871	B	14589	1	1647	
14504	44872	B	14590	1	2025	
14505	44873	B	14591	4	2121	
14506	44874	A	14592	2	1879	
14507	44875	A	14593	1	2130	
14508	44876	A	14594	1	3018	
14509	44877	B	14595	1	3171	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14510	44878	A	14596	1	2700	MEKKQSRKTGNSKNQSASPPP KECSSLQATEHSMENDFDEL REQGFRRSNYSELKEEVRTGK EVKNLEKRLDEWLTRITNAEKS LKDLMEKTMARELLDECINLS SQFDQLEERVSVMENQMNMK PNLRLIGVPESDGENGTKLENT LQDIIQENFPNLARQANIQIEIQ RMSQRYSSRAIPRHIVRFTKV EMKEKMLRAAREKGRVTLKG KPIRLKADLSVETLQARREWGP IFNILKEKNFQPRTSYPGKLSFIS EGEMKSFTDKQKLRYFVTTRP ALKELLKEALNMERNNRYQPL EKQIQTIREYYKHLANELEN LEEMDKFFDTYTLPRLNQEEVE SLNRPITGFEIAIINSLP/TKKSP EPGGFTAEFYQ\RIEKEGILPNSF YEASIIMLKPGRDTTKKENFRP ISLMNIDAKILNKILANRIQQHI KKLIHQDQVGFIPGMQGWFNIR KSINIIQHINRTNDKNHKIISIDA EKAFYKIQPFMLKTLNKLID GSYLKIIIRAIYDKPTANIILNGQ KLEAFPLKTGTRQGCPLSPLLF NLVLEVLARAIQEKEIKGIQLG KEEVKLSLFADDMIVYLENPIA SAQNLLKLKGNFSKVSQYKINV QKSQAFLYTKNRQTESQIMSEL PFTIASKRIKYLGIQLTRDMKDL FKENYKPLLNEIKEDTNKWKNI PCSWEGRISILQMAILPEVIYRF
14511	44879	A	14597	1	2310	
14512	44880	A	14598	1	1305	
14513	44881	A	14599	1	2148	
14514	44882	B	14600	1	777	
14515	44883	A	14601	2	2971	
14516	44884	A	14602	1	3810	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14517	44885	A	14603	1	1773	MNIGAKIINKILANQIQQHIRKLI HHDQVGFIQGMQGWFNICKSIN VIQHINRTKDKNHMHSIDA EKA CDKIQQRFMLKTLNKLIGDGKY LKIIRAIYDKPTANIILNGQKLE AFPLKTGTRQGCPLSPLLFNIVL EVLARAIRQEKEIKDIQLGKEEV KLSLCADKMIVYLENPIVSAQN LLKLISNFSKVSQYKINVQKSQ AFLYTNNRQTESQIMSELPFTIA SKRIKYLQIHQTRDVKDLFKEN YKPLLKEIKEDTNK\NIPCSCVG RINIVKMAILP/KELEKTTLKFIW NQKRARITKSILSQKNKAGSIM LPDFNLYYKATVSKTAWYWY QNRDIDQWNRTEPSEITPHIYN YLIFDKPEKNKQWGKDSL FNK WCWENWLAICRKLKLDPLLTL YTKINSRWIKDLNVSPKTIKTLE ENLDITIQDIGMGKDFMSKTAK AMAAKAMSTKAKFGKWDLIK LKSFTAKETTIRVNRISYASS STSLQAFSRKILNCSKRFFKIAQ MCKLVELRPQDMHTSRGSGNC SEARTLLCDFSAGRTSVNHGRI WRQIREAGAADPEIGLEV CNKN PTSFTLFYFLSYTTG
14518	44886	B	14604	1	2070	
14519	44887	B	14605	1	3190	
14520	44888	A	14606	1	3370	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14521	44889	A	14607	569	3030	RKH*TWKRTSSTSHHKNMPN* LEKQEQTH/SKPSRRREITKIRA ELKEIETPKTAQKINESRSWFSE RINKIDRPLARLRKKKREKNQI DTIKNDEGDITTHPTIEHTIIREY YKHL YANKLENLEEMDKFLDT YTLPRPNQEEVESLNGPIAGSEI QAIINSLPTKKSPGPDGFYQRYK EELVPFRLKLFQSIEKEGILPNSF YEASIIIPKPGRDTTKKENFRPI SLLNINAKILNKILANRIQQHIK KLMHHDQVGFIPGMQGWFNIR KSINVIQHINRTKDKNHMISID AEKAFDKIQPFMLKTLNKLGI DGTYHKIIRANYDKPTANIILNG QKLEAFPLKTGTRQGCPLSPLL FNIVLEVLARAIRQEKETEGIQL GKEEVKLSLFADDMIVYLENPI VSAQNLLKLISNFSKVSGYKIN VQKSQVFLYTDNRQTESQIISEL PFTIASKRIKYLGIQLTRYVKDL FKER/YNEIKEDTNKWKNIPCS WVGRINIVKMAILPKVIYRFNAI SIQLPMTFFTELEKTTLKFIWNQ KRAHIAKSILSKKNKAGGIMLP DFKLYYKATVTKTAWHWYQN RDIDQRNRTEPSEIMPHVYNHLI FGKPDKNKQWGNDSL FNKWC WENWLAICKKLKLDPFLTPYT KINSRWIKDLNVRPKTIKMLEEN LGNNIQDIGMGKDFTSKTPKA MATKDKIDKWDLMLKLSFCTA
14522	44890	A	14608	1	2742	
14523	44891	A	14609	1	3828	
14524	44892	A	14610	1	2667	
14525	44893	A	14611	1	2325	
14526	44894	A	14612	1	3057	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14527	44895	A	14613	603	2973	DNTARGETIRQQHLLFTNIRCSA ASAADTQANRVWSGPPANSNR PAA\RVLTVRRKTNKQKGPH QNPICTSPSSKTKETQTTIREYY KHLNANRLENLEEMDKFLDTY TLPRLNQEEVESLNRRITESDIE AIINSLPTKKSPGPDGFTAIFYQ RYKEELVPFLLKLFQSIEKEGIL PNSFYEASIIIPKLGRDTTKKE NFRPISLMNIDAKILNKILANRI QQHIKKHIHGQVGFIPGMQGW FNIRKSINVIQHINRTNDKNHMI VSIDAEKAFDKIQPFMLKTLN KLGIDGPYLKIIRAIYDKLTANII LNGQKLEAFPLKTGTRQGCLLS PLLFNIVLEVLRARIRQEKEIKGI QLGKEEVKLCLFADDMIVYLE NPIVSAQNLLKLISNFSKVSGYK INVQKSQAFLYTNNRQTESQIM SELPFTIASKRIKYLGIQLTGDV KDFFKENYKPLLNEIKEDTDKW KNIPCSRVRINIMKMAILPKVI YRFNAIPIKLPMFTFFTELEKTTL KFIWNQKRARIAKSILSQKNKA GGITLPDFKLYYKATVTKTACH RVGRAQQHSISKWKWYIHDWS QVGPEGTNDARSYPDTTQKWT AAALQPLSRTSLKDSHEGKSSQ WAE LRAVHLVLRFAWKEKWP DVQLYTDSWAVASGLAGWSG TWKKHDWKIGDKEIWGRATPV IAQWAHEQRGHGGRDGDYAW
14528	44896	B	14614	1	3105	
14529	44897	A	14615	1	3654	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14530	44898	A	14616	735	2839	RSFPRSRRPSPFLLLSRYLRIH MV FSVLPFGLQNP KYLLSGSLQEK FRTPGINSHKTLDPNRV IIKVRR RLEKEKALRAYVGKSEVRNMH LRERCKL*KKREKNQIDTIKND KGDITTDAT EIQTTIREYYKHLY ANKLENLEEMDKFLDTYILPRL NQEEVESLNR PITGSEIEAIINSL PTKRSPGPDGFTA EFYQTYKEE LVPFPLKLFQSTEKEGILPNSFY EASIIIPKPRD TTCKENFRPIS LMNIDAKILNKILANRIQQHIKK LIHYDQVGFI PGMQGWFNKRK SINVIQHINRTNDKNHMIISIDAE KAFDKIQQPFMLKTLNKL GIDG TYLKVIRAIYDKPTANIILNGQK LEAFPLKTDTRQGCPLSPLLFNI VLEVLARAVRQEKEIEG IQLGK EEVKLSLFADD MIVYLENPIVS AQNLLKLISNFSKVSGYKINI QK SQAFLYTNNRQTESQIMSELPFT TASKKIKYLG IQLTRDVKDLFK ENYKPLLNEIKEDTNKWK NIPC SWVGRINIMKMAILPKVICRFN APIKLPMPFFTELETTTLKFIWN QKRARIAKSILSQKNKAGGITLP DFKLYYKATVTKTAWYWYQN RDIDQWNRTEPSEITPHIYNYLI FDKPEKMSIIDTGGWYEAPVSS FFKEGLCRTGTENQVNRQPPAA SPFKVYV SCTGSLHPRPHYFLE
14531	44899	A	14617	1	2250	
14532	44900	A	14618	1	2870	MKAEIKVFFETNENKDTTYQNL WDTFKAVCRGKFIALNAHKRK QERSKIDTLTSQLKELEKQEQT HSKASRRQEITKIRAE LKEIQTQ KTLQKINESRSWFFERINKIDRS LARLIKKKREKNQIDTIKNDKG DITTDPT EIQTTIREYYKHLYAN KLENLEEMDKFLDTYTL PRLNQ EEVESLNR PITGA EIVAIINSLPT KKSPGPDGFTA EFYQSWAETQP KKENFRPISLMNIDAKILNKILA KRIQQHIK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14533	44901	A	14619	248	2623	RQWAGVVGRCSHLASWVSSNT SETGAIRSSTEVDAPDDSMLLST CDIDLTAAARAWLGCLPTKKSP GPDGFTAIFYQRCKEELVPFLL KLFQSI/EKEGILPNLFDEASHLI PKRGRDTTKKENFRPISLMNID AKILNKILANRNQQHIKKLIHH DQVGFIPGMQGWFNICKSINVI QHINRTKDKNHMISIDA EKAF DKIQPFMLKTLNKLIGDGYL KIIRAIYDKPTANIILNGQKLEAF PLKTGTRQGCPLSPLLFNIVLEV LARAIRQEKEIKGIQLGKEEVKL SLFADDMIVYLENPIVSAQNLL KLISNFSKVSAYKINVQKSQAF LYTNNRQTESQIMSVFPFTIASK RIKYLGIQLARNAKDLFKENYK PLLNEIKEDTKKWKNIPCSWVG RINIVKMAILPKVIYRFNAIPIKL PMTFFTELEKTTLKFIWNQKRA RIAKSILSQKNKAGGITLPDFKL HYKITVTKTAWYWYQNRDIDQ WNRTEPSEITPHIYNLIFDKPE KNKQWKGKDSL FNKWCWENWL AICRKLKLDPFLTPYTKIHPRWI KDLNVRPKTIKTLEENLGNTIQ DIGMGKDFMSKTPKAMAAKA KIDKWDLIQLKSFCTAKETTIRV NRQPTKWEKIFATYSSDKGLIS RIYKELKQIYKKKTNNPIKKW AKDMNRHFSKEDIYAANKHM KKCSPSLAIREMQIKTTMRYHL
14534	44902	A	14620	1	3253	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQGDLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKWKRTEIITNYLSDH SAIKLELRIKNLTQSRSTTWKLN NLLLNDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFIALNAHKRKQERSKIDTL TSQLKELEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
14535	44903	B	14621	1	2758	
14536	44904	A	14622	1	5178	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14537	44905	A	14623	1	3382	MGDFNTPLSTLDRSTRQKVNK DTQEFNSALYQADLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKCERTEIITNYLSDHS AMKLELRIKNLTQNCSTTWKL NNLLLNDYWVHNEMKAEIKM FFETNENKDTTNQNLWDAFKA VCRGKFIALNAHKRKQERSKID TLTSQLKELEKQEQTTHSKASRR QEITKIRAELEIETQKTLQKIN ESRSWFFERINKIDRPLARLIKK KREKNQIDTIKNDK
14538	44906	A	14624	965	4091	TWKGTTSTSRCKIMPKYRSTRQ KVNKDTQELNSALHQADLIDIY RTLHTKSTEY/TFFSAPHHTYSK IDHIVGSKALLSKCKRTEIITNY LSDHSAIKLELRIKNLNQSRSTT WKLNNLLLNDYWVHNEMKAE IKMFFETNENKDTTYQNLWDA FKAVCRGKFIALNAHKRKQERS KIDTLTSQLKELEKQEQTTHSKA SRRQEITKIRAELEIETQKTLQ KINESRSWFFERINKIDRPLARLI KKKREENQID
14539	44907	A	14625	3	3229	
14540	44908	B	14626	1	2791	
14541	44909	A	14627	1	3158	MVKGSIQQEELTILNIYAPNTG APRFIKQLSDLQRDLDSHTLIM GDFNTPLSTLDRSTRQKVNKDT QELNSALHQADLIDIYRTLHPK STEYTLFSAPHHTYSKIDHILGS KALLSKCKRTEIITNYLSDHSAI KLELRIKNLTQSRSTTWKLNNL LLNDYWWRKQERSKDTLTSQL KELEKQEQTTHSKASRRQEITKIR AELKEIETQKTLQKINESRSWFF ERINKIDRPLARLIKKKEKNQID TIKNDKGD
14542	44910	B	14628	1	7849	
14543	44911	A	14629	1	3985	MENDFDELREEGFRRSNYSEL WEDIQTKGKEVENFEKNLEECI TRITNTEKCLKELMELKTKARE LHEECRSLRSRCDQLEERVSA EDEMNMKGEGKFREKRIKRN EQSLQEIWDYVKRPNLHLIGVP ESDGENGTKLENTLQDIIQENFP NLARQANVQIQEIQRMPQRYSS RRATPRHIIVRFTKVEMKEKILK AAREKDRSTRQKVNKDTQELN SALHQADLIDIYRTLHPKSTEY TFFSAPHHTYSKID

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14544	44912	B	14630	64	5735	
14545	44913	B	14631	891	6894	
14546	44914	A	14632	33	476	
14547	44915	A	14633	1	360	GQGE PKQLGRHPGVLRPHVVS AKTGDAC/IWTQVRNLFPERPK VQWKEGCA\LQSGNSQESVTEQ GSKVSAYSLSSPLTLKADYEK HKLYACEVTHQGLSSPVTKSFN RGEIIEGEVPPCI
14548	44916	A	14634	40	508	LPGECHRAGQQGQRLQPQLLG LLMLWVPGSGGEIVMTQTPLSS SVTLGQPASISCRSSQSLVHSDG NTYLTWLQQRPGQPPRPLIYHV FKRFSGVDPDRFSGSGAGTDFTL E/ISGRVEA*\DVG VYYCMQG\T QFPCSFQGQTKLETKRTVAAPS
14549	44917	A	14635	3	652	AWWNSETPAQLLFLLLWLPHY TSGEIVLTQAPGTLSPGERAT LSCRASQTIGSTYLAWYQQRPG QAPRFLIYGASSRATGIPDSSSSS SSSSSSSSSSSSSSSSSSSSSQ YNNWPPGGTFGP\GTKVEIKRT VGCTHLFFIFPAHLMSQLKIWE LPACVPVCNNF\YPREVQSYSG KVDN/VPSNRVTPRESVTEQD\S KDSTLQPSAATLDA
14550	44918	A	14636	3	440	
14551	44919	A	14637	457	1270	SRRVSFPPSA*QAVSDPSRQQLP SLRLRWGPGRSFP AENLGRGV RWVGGRDPLAA\LP*SSGPLNA GRLFARPQESGAPRIGNVRDVP RAREDVGTQAGRREREFRLFG PAAVVG CERHLSPPFRAAGAG GRAGAAGRRSAPPGGLGSCRSC RISAGPHGNDVPTLGGRGW/PL *NSGA EKL*EQ*G*/TGTGSWSL AAILGGVPREP\GFRGAGRET LG PRGWL VMLSRAVLLHSVLLCT CHSSWVLLHSDLACHADNNPD IQSCLFPMSKY
14552	44920	C	14638	90	465	
14553	44921	A	14639	116	439	
14554	44922	C	14640	278	364	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14555	44923	A	14641	116	687	EIKDAALQLPLWRAQDRERAM KERREKREREREKERDREKKRK EKMFCRKSCHTIMEPTPELSCV LPCLAPIVLAPPPLPLPVLPPLPY ATR*LPQQNRQSTLTEAHGL\TR GPITLATNRCMPSTTRDRRLT PPSTLPNTTNLSWGVREGPNQD PEPSLSPCVPHDPFDYNAESLFS YWLVSVTPMTAHTP
14556	44924	A	14642	474	1166	HPNRQGLRAPATAPGHPGREQ ALCEAPQGPQKCGPPRAQEA Q/GTEPRRASRAAGACRHHWP QVA\RPGAGAPAGAARLGGV*E PGRAA/APRLPLPSQCCHR*GTS PAHLSASRSSATCPWRRTAGR SGPSPCMTL\KQRQGHPRDGWI RAPSCDVTNRGLSSLLNLGGS QQLLLASRPLGSGSGALEAH GKSRAPWEPWLHGTHNPVHGK DPAGSTSHWPRPPART
14557	44925	A	14643	283	806	PRGSFSSTGRTRNAAGSTSNCSL RSLSARIEERKVSRCVGPVNH HLRLGALTTTRPSWNGAIPTLA KLPAKRC*RRSGRSKTWSFPG ST*LGNFAEEMICAASARPAGV PGPAL\PTPLRAPLPGVPWTSSR GRMCARLSCC/HAGRPVPARPG AARARRAAAGERHRPPALRV
14558	44926	A	14644	1	338	
14559	44927	A	14645	1	1091	MSNDGRSRNRDRRYDEVPSDL PYQDTTIRTHPTLHDSERAVSA DPLPPPPLPLQPPFGPDFYSSDT EPAIAPDLKPVRRFVPDSWKN FFRGKKKDPEWDKPVSDIRYIS DGVECSPPASPARPNHRSPLNS CKDPYGGSEGTFSSRKEADAVF PRDPYGSLDRHTQTVRTYSEKV EEYNLRYSYMKS WAGLLRILG VVELLGAGVFACVTAYIHKDS EWYNLFGYSQPYGMGGVGG GS MYGGYYTGPKT PFLVVA GLAWITTHILVLGMSMYRTIL LDSNWWPLTEFGINVALFILYM AAAISLM*MIPTRGGLCYYPFL NTPVNA\GSAG*KEDR*LQ*SSC LSP**FISLVLWFA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14560	44928	A	14646	398	1107	SPGLVCGLLIFCKVTVPICAGPY RCPFGGLRH*SAR*QPPSGLREN GARPPGGEWLCPC*FPP*PLNSR WKLPPRLVT*GEPWAAGEKFP RLGAGTGPAAGEGLPRARDWE PGRAGPERWAPGRGPAGTPAK TAAVKRSAPLPGS\GDYANGER KPPSPFCQVKSGNL*VLCG*RL SLPAA*KPKKA*RRGRRQSPGK TGYQVQQTRPKNDPKSS\GPSP KNRQSLCLQPLWSFLIQ
14561	44929	A	14647	1	540	MGVRDPLEEAVCALAELQHCA GRFAALFRASRQERLSLLKLC QLPLPPRALSQGYKPLIGLLAF FQRCTAQRGGI*RGSLATVTLAS CGGLCPV*TSQRRCL\PVRGKLP TQASVMANAPPRTLQHLRSTS DCCAGSENFKPVDLSLLGSVGV GSTELDHLAPWLQPAFQGSEW FYLTF
14562	44930	A	14648	169	487	EVCYYPSETYFCQFVKLILCPV LFPCWQGVVIQPKLSCMRCLST \LLRGVSQ*GYMGVRDPLEEAV CPLAELEHCAGRSAALFRAGRQ ERLSLLKLRPQLPLPSA
14563	44931	A	14649	1	210	
14564	44932	B	14650	1	1683	
14565	44933	A	14651	1	529	MDSEVQADDEVSDENGELIGN WGKGGMGVSDPLEEAVCPALAE LERSAGRSAALFRASRQECLSL LKLT/LTAAPSPRGTAFRSPFKS PAQRRSIIC*Q/LYSCKTFRSTVA PMPRLCLPQASGVQ*EN*SWA IPA*QGTSPMCSLCSGAPHQPG APLVLPPLPPVNRLRRELQCWL
14566	44934	C	14652	295	430	
14567	44935	A	14653	452	637	
14568	44936	A	14654	151	446	MVLSHWHSRCHWGMKKNYLQ LARCLPKWLPsfVFETQGCDV STQGTLLVYGLQRPWEKHSI*A R*HHPSQHGPSQLPLARGGSSP TPCASRMQRHPT
14569	44937	A	14655	2	335	EDRSAFRPRQPHTLHPLHARSL APRSPTPPSPSPDTQLGLSGPTS GPESAPTA/PGNPSWRSSRWGSS SPCAASST*KSPYP*/CSPT/CAFP SPRLPFCRSAYQPAAGAGRK
14570	44938	B	14656	373	502	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14571	44939	A	14657	1	400	GSPAPAAMDEERALYIVRAGE AGAIERVLRDYSKVKSPGPGR AVSHPRALRACTSHPSPPPSFR GCAL\PPPKTFFAWACVFVPPAF SIHAS/SHPTTPTVAPTPLIPGA A*PPVLLSSVQVTPPESVDVHL
14572	44940	A	14658	659	1177	ARKGSALLRLYLNSAWCVCVK VLRIFSTASAYITRRDSSLGPVW TFLNFSFGSPGEIPTPFFFFPVFP LPLVAWFCPASFCPLQCP\LVPS EPSPPPHSGDAHCSPPKTFPAW ACVFVPPAFSIHAS/SHPTTPTV APTPLIPGPA*PPVLLSSVQVT PPESVDVHLCVPVPHS
14573	44941	B	14659	1	318	
14574	44942	A	14660	2	131	
14575	44943	A	14661	354	762	CPEIRPPS*THGTK/SHFPPTASG THSVLEAL/PDTRQSPSRVHQ DPSPAI/PALLPSPHEHGPHLL QLPSHRCHPDTAPFNCDVAKAC PGHATAALEHPYLSGRQSPSP THLPKLPAGRGYTVCALPKGPG ERSAV
14576	44944	A	14662	157	413	ALVCS/SSLAIREMQIKTTMRYH LTPVRMAIHKKSGNNRCWRGC GEIGTLLHCWLDCKLVQPLWK SVW*FLRNLELEIPFDPAIPLL
14577	44945	A	14663	1926	2448	DFIAVITTRKQLKTKYNAHHSK QAITKHFSKISDLILCLKKKIM NRHFSKEDIYAAKKHMKKCSP SLAIREMQIKTTMRYHLLTPVRM AIHKKSGNNRCRRGCGEIGTLLH CWWDCCKLVQPLCKSMWRFLR DL\DPAIPLLGIYPKDYKSCCYK DTCTRMFIAALFTIAKTWNQP
14578	44946	A	14664	1	1584	
14579	44947	A	14665	1	4729	
14580	44948	A	14666	1	1566	
14581	44949	A	14667	1	1424	
14582	44950	A	14668	1	576	
14583	44951	A	14669	1	3325	
14584	44952	A	14670	1	2195	
14585	44953	A	14671	1	3162	
14586	44954	B	14672	287	2018	
14587	44955	A	14673	1	1073	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14588	44956	A	14674	1	3335	MVKGSIQQEELTILNIYAPNTG APRFIKQVLSLQRLDLSHTLI MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKCKRTEIITNYLSDHS AIKLELRIKNLTQSRSTTWKLN NLLLNDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFIALNVYKRKQERSKIDTL TSQLKELEKQEQTTHSKASRRQE ITKIRAELEIETQ
14589	44957	A	14675	1	1838	MIIPIDAEKAFDKIQQPFMLKTL NKLGIHGMYLKIIRAIYDKPTA NIIINGQKLEAFPLKTGTRQGCP LPPLLFNIVLEILARAIHQEKEIK GIQLGKEEVKLSLFADDMIIYLE NPIVSAQNLLKLISNFSKVSQYK INVQKSQAFLYTNNRQTESQILS ELPFTIASKRIKYLGIQLTRDVK DLFKENYKPLLNEIKEDTNKW KNIPCLSIGKINIMKMAILPKVIY RFNAIPIKLPMFTFFTELEKTTLK FIWNQKRARIAKTILSQKNKDG GITLPDFKLYYKATVTKTAWY QYQNRDIDQWNRTEPSEIIPHV YNHLIFDKPDKNKKWGKDSL NKWCWENWLAICGKLKLDPFLL TPYTKINSRWIKDLNVRPKTIKT LEENLGNTIQDIGMGKDFMSKI PKAMATKAKIDKWNLIELKSFC TAKETTISVNRQPTWEKIFAIC LSDKGLISRIYKELKQRHKKKT NNPIKKWAKDMNRHFSKEDIY AANRHMKKCSSSLAIREMPIKT TMRYHLTPVRMAIHKSGNNRC WRGCGEIGTLSHCWWDCNLVQ PLWKAVWRFLKDLELEIPDPA ISLLG/IYPKDYKSCCYKDTCTQ STFTCRQHLPL



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14590	44958	A	14676	1	2354	MGDFNTLLSALDRSTRQKVNK DIQELNSALHQADLIDIYRTLHP KSTEYTFFSAPHRTYSKIDHLV GSKALLRKCKRTEIITNCLSDHS AIKLELRIKKLTQNHSTTWQLN NLLLNDYWVHNEMKAEIKMFF ETNENKDTTYQNLWYVKDTRI SGMLWYVKA VCRGKFIALNAH KRKQERSKIDTLTSQLKELEKQ EQTHSKTSRRQEITKIRAELEI ETQKTLQKINECRSWFFEKINKI DRPLARLIKKKREKNQIDAIGN DKGDIITDPTEIQTIREYYKHL YGNKLENLEEMDKFLDTYTL RLNQEEVESLNRPI TGSEIEA INSLPTKKSPGPDGFTA EFYQRYK EELRIKYLGIQLTRDVKDLFKE NYKPLLNEIKEDTNKWNIPCS WVGRINIMKMAILPKVIYRFNA IPIKLPMTFFTELEKTTLKFIWN QKRARIAKSILSQKNKAGGITLP DFKLYYKATVTKTAWYWYQN RDTDQWNRTEPSEIMLHIYNHL IFDKPDKNKQWGKDSL FNKWC WENWLAICRKLKLD PFLIPYTK INSRWIKDLNVRPKTIKSLEEDL GNTIQDIGMGKDFMSKTPKAM ATKAKIDKWDLIKLSFCTAKE TTIRVNRQPTWEKFFAIYSSDK GLISRRYNELKQIYKKKTNSPIK KWTKDMNRHFSKEDIYAAKRH MKKCSSSLAIREMQIKTTMRYH
14591	44959	A	14677	1	3144	
14592	44960	A	14678	1	2745	
14593	44961	A	14679	1	2742	
14594	44962	A	14680	1	3264	
14595	44963	A	14681	1	2982	
14596	44964	A	14682	1	3102	
14597	44965	A	14683	1	1443	
14598	44966	A	14684	1	3723	
14599	44967	A	14685	2	1841	
14600	44968	A	14686	572	744	DLLTTIRMPTDVKKCSSSLAIRE MQIKTTM*YHLTPVRMPIKKKS GNNRCWRGCGEI
14601	44969	A	14687	1	3588	
14602	44970	A	14688	1	5569	
14603	44971	A	14689	1	3992	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14604	44972	A	14690	755	2415	QELRVSGWSPASAPANT*CPPA QPCPTRRSGGQRAPARTRSRPG SRPRTASALPRPAAQKAASRSA RASRTNPYTAPKPLPSVESALQ EAAIGEHAHQQRVSCTCAAPA APPSPAWPWSAARSAAPPPRT* ASAPA*SPL/PVRLKKSPGSSNC EARGEGWKT/PALPVQLGAHGP PQPAAVPCASPGSGAGPRWSRS ARRTPRGPLQRGRTWVSPDPGR EATPSGTQWPQKTRGSLPGS*C APETPCSAA*SSGTSPPRGAGGC CPGTVPPALEGHN*PQRWGS AGRVE\TRAEGPQCQQGAPAGC SLGVGGQRGPPGLPIPVPLC* TCRSS*MEAATGSVEKCKRMA SLMQASRWSFLRVAPVSGQVK YTPGTARWAEPSSLGSDTTLVP GAS/RAPADGGFGLKFLSHLVS DGVLRGCGPRPGTASAPAGLR AAAA\PSVPSLVGPWRGGLGAG WLGFSLWAFSPTDSLSP*PGPA LLNLMSALNS*KNFFMVAARS CGGGTRGRGGTGPSRGRGRRR PATGRK*KKKKKKKKFTSPPEV PPSPGLPRDNRL
14605	44973	B	14691	1	822	
14606	44974	A	14692	1	2789	MAAVRKQLPRGVLYGGSGAL LSTAAADTSLLGSLQERKSAS AGPGYLRSSVAAWSGLWLTGA SEAHSVVLACFSRKDVEASLSV GLPVHPDASCARRLDAADGVA GGSPRLPQSTDGWRLTAHSLPQ STDGWRLTAHSLPPTDGWRL TAHSLPQSTDGWRLTAHSLPPP TDGWRLTTHSLPQSTDGWRLT AHSLPQSTDGWRLTAHSLPQST DGWRLTIHSLPQSTDAWRLTA HSLPQPMDGWSCRSAQWCV
14607	44975	A	14693	176	440	
14608	44976	A	14694	114	253	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14609	44977	A	14695	124	890	GSRAWDRPRLEVA AATTTLFY GYGFVSAELKKASKRMTCHKR YKIQK\KAPEHHRKIRGEAKKR GHNKPRKDPGVPNSAPFKEAL LAREALRKQRLEELKQQQKLD RQKELEKKRKLET*SWIFKPSN V\DPMEK\EFGLCKTE\NKA\RSG KQNSKKLYCQELKKVIEASDV VLEVLDARDPLGCRCPQVEEAI V\QSGQKKLV\IYLNKSDL\VP KEDL\ESWLKLF*RKDLPSNGCF RASTKTQRVKGKITKVSFIS
14610	44978	A	14696	553	997	EVTACWQSSQPSLT LGASSAW APTLAAL EEPFSPPLHCGSPFLG WPRLEPAPSAPPWAPVRPEPPQ QGPPSAPGRPISTTQGLRSADA GRRTGTQLHRQPAKVCSF/IS*S QRDHEPTRRNEQLQTRRLKSCN THREDLQLHSRRKKL
14611	44979	A	14697	1410	2036	
14612	44980	A	14698	3	630	RYKGSPPRHQTQEPSWLHLVDP APGLQVELPASPAPCARIQPL GGRWDWAPWSRGWCSSGR LG QHRSPWSGWEAQAWRAAGPK PCPAGRQLRPGEKSSTAPVGRH CWGIQYTLRSHWPGC*VPHSSG PAGLAGCSGTPAGPQAPHAAP V PARA/CSLHTSLQAEGVGSSL GQPRKGLPQCRWGLKGSSNAA KVGAQAGEVQARALRTAS
14613	44981	A	14699	190	383	ASHPLRGLRSGRSLPDERHRL HSAQSHRPPKG*GVRAQGAGL T/WQLHL*PQCGIHWVKPAGLL
14614	44982	A	14700	1	1095	
14615	44983	A	14701	1	777	
14616	44984	A	14702	1	933	
14617	44985	B	14703	1	996	
14618	44986	A	14704	978	1207	ASLPLRGLLCPSLPEERRPLLH GAQSHRPPKG*GVRAHGAGLA/ WQLHLRPRCGIHWVKPAGLLS LGPHQQSSKSA
14619	44987	A	14705	111	558	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14620	44988	A	14706	1	1103	MKPWALKVSVTALKVARLEFV PPDVRMCSEFLPCGVKLQTFV SVTALKAAARLELFVSPGGLVVS LASGVKLQTFPVSVTAHKSSVD PRSEQQDILLQRAKEQTFHTVE GDRSGSPDSGAQLASPSGSRT RAAGGAACQSRALRPHSSALG WSMGLGAVEQGAVLIREARAA HEPMERVGGSGMAGCRSRALP REKAAKARRETEGSAAVSGWL SGIAQWPKIDHEGFRAVKMPQ AAWLLKAVTFIDLTTLSGDDTIS SNIQRLCYKAKYPIREDLLKAL NMHDKVAAGFPAGQTHLKTRL EEIRLAVEDGATEIDVVINRSLV LTGQWEG/LYSPVVYSALPCNI* HSRLFLPSGNALLLWLWCLHS
14621	44989	A	14707	2	2300	
14622	44990	A	14708	2	1058	ARSNIRMVTAFRSLPAGSSGAA RA\MSAHNRGTELDLSWISKIQ VNHPAVL\RRAEQIQRRTVK KDWQAAWLLKAVTFIDLTTL GDDTSFNI*RLCYKAGYPIREDL LKALNMHDKGIT\TAAVCVYP ARV\CDAVKGTSRPA/CVNIPV GISRAAGF\PAG\QTH\LKTRLEE IRLAVEDGSLQKIDV\VINRSLG A*QAQWEALYDEIRQFARKAC GEA\HLKTLA\TGELGTLTNVY KASMIAMMAGSDF\IKTSTGKE TVNATFPVAIVMLRAIRDFFWK TGNKIGFIPAGGIRSAKDSLAW LSLVKEELGDEWLKPELFRIGA STLLSDIERQIYHHVTGRYAAY HDLPMS
14623	44991	A	14709	576	998	VLQFLKAACPEFVPSGVPMCSE YLPSGGFVVSLASGVKLQTFPV SVTALNALRLELFVPPGGLMVS LASG\GSCRSSR*VLQLIKAVWT QRPLGGRWDWAPWSRGRRSFG EARAAQKPMEGVGGSGMAGC RSRSPAPREGS
14624	44992	A	14710	2	589	RHHPRHAVQARFPFAGPLAGA QRGSGAE*RG PQGS\PGPAGLS GGESL/PGETDRGADKEERGRQ RWQRALGRLSAGADPLPAELR GRRQRRGR*AGQRAAQEAACE APIQSGARNGRRG*GRRL*GC YQ*V*FPGLTRGWGRGSRPSAV HCGWEPP*AGKPSGQTPRHSG* PAG\VDGLPPKVTGPPPGTPQPR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14625	44993	A	14711	1	1596	MRLTRCQAALAAAITLNLVLF YVSWLQHQPNSRARGPRRAS AAGPRVSLPPHPLTCVWRCSR AMDRPPAASRPETTVATEFVAL VLDGARAEAHALLERMVEALR AVSARLVAAPVATANPARCLA LNVSLREWTARYGAAPAAAPRC DALDGDVAVLLRARDLFNL PLARPVGTSFLQTALRGWAV QLLDLTFAAARQPPLATAHAR WKAEREGRARRSALLRALGIRI VSWEGGRLEWFACNKKNQRC
14626	44994	A	14712	225	980	VPSRTWAEYRTRFVPHSLGQPR SSHIPQSPQTDQTAQQGQALAP PAGRSGQ*GRPGRRARLGPGER HS*APPPLSQLLLQTFPHLQALP SAHARPSGQPHADRGHSRSPSG /DLSTSSVLKVVRPQAGGPKQA RCPQAGRVCCHCPRGGRRGPE/Q Q/GG*RPEAPQASPEKGSTGLRP SAKDSKNQGTGIFLRCQVAPRP EALCCPPPRGADTPVSPCLWVA GAGIPLQPPEGAEGAVLGS LCTCPGSPDSPPTS
14627	44995	B	14713	405	893	
14628	44996	A	14714	178	499	
14629	44997	A	14715	231	436	
14630	44998	A	14716	141	393	
14631	44999	C	14717	97	351	
14632	45000	A	14718	119	358	
14633	45001	A	14719	21	614	PPCTSLRPLHAFSGKMTHLNRG TSLLDSQLHNLIQMTCKFD VEIPNFFWEPSVTPSHRNINMYF PAAVFGFLPISGTLFSYCKIVSSI LRVSSSGGKYK/AFTTCGSHLS VVC*FYGTGFGGYLSSDVSSSP RKAASVSMYTVITSMNPFY SLRNRDIKGVLRQPHGSTVQFQ YLLICSIPFVWVKKGSKVK
14634	45002	B	14720	162	1263	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14635	45003	A	14721	696	1791	VWIALKSENITCELLLFKMQTQ CQVLVYLFPIFQPSFLGKRCPI TDPQNLTDSIFLLLEVSGDPEL QPSPCWA VPCCAWVTVLGNL LIILAI SPDSLHTPMYFFLSNLS LA\DIGFTSTTVPK\MIVDI\QSHS RVISYAGCLTQMSLFAIFGGME E\DMLLSVMAYDWFVAICHPL YHSAIMNLC SVGFLVLLSFFFF\ LSLSDSQLHNLIALQMTCKFDV EIPNFFWEPSQLSHLACCDTFTN NIIMYFPTAIFGFLPISGTLFSYY KIVSSILRVSSSGGKYKAFSTCG SHLSVVC*FYGRGVGGYLSSDD VSSSPRKGAVASVMYTVVTPM LNPFYISLRNRDIKSVLRRPTEH CLISKK
14636	45004	A	14722	1	1971	MTRKVTLLRLTWRGCGRLA MGMEATPQGLHPLFQEHWIR AEDFGVLSMPHPNSVQGVDDM IRLGDLEAGMVHNLLIRYQQ HKIYVSLPSPVSTGEPLTGANLL DREKKMMHRGHCPALTEGVS GPDNPEGRARAKAKARAEL PLPGAEGTDHLLPSQTYTGSILV AVNPFQVLPYLTLEQVQLYYSR HMGELPPHVFAIANNCYFSMK RNKRDQCCIISPQNRVGAQTD VLKVFQHLLISLICKTTLQACCI PSHPYLSSAPGPPPLTTQCRSYS DSLLGPQLFGDVCYNCSHVIEG DGEALCSLPHPTCSPGAWVLQL VSPLNKA WCVSCFSCSTCNSKL TLKNKFVEFDMKPVCKRCYEK FPLELKKRLKKLSELT SRKAQP KATDLNSAEGPLAQLGAVGA/V TGITHEPHIPQVENGSQLDDV PALGV\ENWRIFMAERMEAQG GQRLLLSTMHEEYEFVSPSSVAI AELVALFLEGLKERSIFAMALQ DRKATEGGPVGLTKKQGLLAS ENWTLGQNDRTGKTGLVPWH CLYTIHTVTKHSDSCCTAVPTL LEASSGCIFMSYKKHITLTPKSA DSNKRSTLGSQFKQSLDQLMK ILTNCQPYFIRCIKPNEYKKPLG FSDSFMLIKLIRIDKVQYDSFSYI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14637	45005	A	14723	1	1197	MNMNIKKIVKQATVLTFTTALL AGGATQAFAKENNQKAYKET GVSHITRHDMLQIPKQQQNEKY QVPQFDQSTIKNIESAKGLDVW DSWPLQNADGTVAEYNGYHV VFALAGSRKTLMTHTQSTCPKH RASRVGPSNSLQNKQTVKKGD QTSVRRKRNDLKVEERHKNHH LARELTSSAAAAASPTGHAAATA QAPQRHVEVGRAAAPAGDLGE GIVGEQVLGAERLVGPDAASRAR ALCVLGDREAGHTAEMTAAP PAQVPGPGGPTALRRPSSYLGL GVDEQNPMSSVDGDEDDVRVQ HQLRDCLIKHTILIRGEFVTRS LNIAQAADRRDAFVKGIYGALF LWIVKKINAAIFTPPAQDPKNV RRAI/GLLDIFGFENFENNRIIRT LCWRYREARC
14638	45006	C	14724	1	1032	
14639	45007	A	14725	1	4960	MSTTSIFQQLNLLSHSHKQKQ QIQLPNGRSRYSLMAAFRMQ YFLSLPMKSLILVGFERLQAIAR SQPLARQYQAMRQRTVQLQAL CRGYLVRQQVQAKRRVAVVIQ AHGQGMAARRNFQQRKANAP LVIPAEGQKSQALPAKKRRSI YDVTDTMVEKVFGFLPAMI GGQEGQASPHFEDLESKTQKLL EVDLDTVPMEEPEEDVDGLA EYTFPKFAVTYFQKSASHHIR RPLRYPLLYHEDDCLAA
14640	45008	A	14726	86	370	RTWMTHVWRRRRVQAAPTAY SSFRPGTSPCPAQPRAGARA*TR SGTSIMPTGFSSHTSCLTV/PFT ASSAGQHRQRHRKTTAAGHPT TTGAASF
14641	45009	A	14727	3	455	MQSVLPAHGVSSSTRASSRVTL SSPSTSTNCRGRKSSRVTS SPVG SGPGGGGGGPGSGRFGIDPPRK FAAAGSFSTGAPSSVMVVRVSG MPSLSW*QYP*SCSTLGCRSRSS STISLSSLWA/VQPIAAPPYPELA TQLPISCR*SPSPCAPS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14642	45010	A	14728	338	1782	NQLSK*KAHSIRT*TALQQSSGR SQICIVQSSADALPSSRCTNPSS FTPTPLPPRPHPRCTSLGCRSR SSSTISLSSLWAASR*QPLRTPN SRTQLPRSWPLKSTALSPPPPGQ ATRLCWWMVSSK*RTWMTHV WRRRRVQAAPTAYSSFRPGTSP CPAQPRAGARA*TRSGTSIMPT GFSSHTSCLTVPLHCVLCWTA SSTPQESSPGGWTRPWPSWRR CTCTGAGRYLQNSTAS/T/PVPS TSVSQTAPSPKEDYRCWPSYHH GSLPPFSVQPG*GCGMSVRAMP SVGPLWSPTRPPGQIKRQNYLL NYWSCWKMTLLAGIIPSS/TGS RPADLDYFLGSSQCPDRDLTK GHVSCDPTSSISITGEKLGKLE S/SSTLADTKSAFLQDSWT/SSLP TLGASAI\RTTSAS*TDQCPPAP GPLHVSF/SLNSTYPSRLCSSTCS TVDSFQIIPMPN*MPFSTCGAFC WCLWFSAITALYFVM
14643	45011	A	14729	148	1040	WCTGSQFSKGTWEILLRKKPSL GNVGALPCVATACTTVEKRA PRGHPLAPVLGDICPKVGSMS STSEL/CTWGNFEFWGRNKYNH WF*WGWALLHQFKMGKAQG LQEASFYRKDTY*A/TMP*NPIG ISEFGT\LALPGCKNVFERFMS RFELPGKAAAMTDNTNVNYVR YKGDYYLCTETNFMNKVDIET LEKTEKMWKPRFRGICPQLQG CSVTEQGFESDDAKSWALQH PKRPAQQDWAMSRGNQGWAN LGLKIIRGEAVTTTRAKEVS VVLKVLEVTDGKVWAREKKLRDSR
14644	45012	A	14730	189	507	AAGADTSQGGPGGPPPSQSQR\ PKSPSAGRKGSQSPQPQKGL PSPQGTRKSAPSSKATPQASEPV TTQLLGQPPTQEEGSKAQGMR* PPQRLGASTQQQTNEAA
14645	45013	A	14731	2	356	DGVSLCHPGWSAVERSQTAT SASWAVCWQGCGETGILLPCW WECEKVQPLWKQYGRLSCEDH LNS*VQVILTTQPPIFPKWLHL FTFPPTGQKDSSFSTLPTHCPG GRGCSELRSRHCTPAWVTE



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14646	45014	A	14732	1	408	FFFFFYTTFFLFFYFYFFEMESH SVTQAGVQWYNLSSLQPPPPRF RRFSCLSLPSS*DYRCPPHPAN FLCF**RQGFTLLAKMVSIS*PH DPPTSASQSAGHVLTSKWELNI EYTWVIKMGTA DTGEHKNGEG WE
14647	45015	C	14733	262	536	
14648	45016	A	14734	179	745	TDCLHNRCHRSPRSPPPGPPG*R SRADWWRRGRCWGSWCASSR RVC*RCPAPSASFCCRSRGRQ GRTFPPSPCPAPD*TQVPSPGDS TRPCPPSPSPAHRAT/GCCGR RLPGNASYLASPGKEAGEFPAS QGDS*PGQYGYIGDSSS/RPTRG TWMAKASTPRHPIAPQICGA*G FGEHQEVPVREK
14649	45017	B	14735	1	1164	
14650	45018	A	14736	35	542	VRPPSHVTADSGRSPLSLTYLPL QEPGDMAAAVPRAAFLSPLLPL LLGFLLSAPHGGSG/LHTKGAL PLDTVTFY/KDYGDKLNMELSE KYKLDKESYPVFYLF RDGDFEN PVPYTGAVKVGAIQRWLKGQG V\YLGMPGCLPVYDALPGEF\IR ASGVEARQALLKQGQDN
14651	45019	A	14737	11	908	VRPPSHVTADSGRSPLSLTYLPL QEPGDMAAAVPRAAFLSPLLPL LLGFLLSAPHGGSG/LHTKGAL LPLDTVTFYKVIPKSKFVLVKF DTQYPYGEKQDEFKRLAENSA SS\DDLL\VAEVGISDYGDKLN M\ELS\EKYKL\DKESYPVFYLF R\EGDF\EEPSSHYTGGS*RLGAIQ RWLKGKGKVYLG DGLELVCT V*LTPWSGEFIRA\SGVKARQAL LKQGQDNLSSVKETQKKWAEQ YLKIMGKILDQGEDFPASEMTR IARLIEKNKMSDGKKEELQKSL NILTA FQKKG\AEKEEL
14652	45020	A	14738	3	227	
14653	45021	A	14739	1	424	
14654	45022	A	14740	1	207	
14655	45023	A	14741	2	352	
14656	45024	A	14742	1	441	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14657	45025	A	14743	1	461	MTVDYRKFNQVVTPMAA/AVP DAVSLLEQINTFPGTWYAAIDL ANAFSIPVHEAHQKQFAF\LPQ GYINFPALCHNLIRRELDFFLLL QDITLVHYIDDILLIGSSEQEVV NTDLLIHKRSKEAEHTAASRIR VSCLPEQKSHEQTLPWQVVP
14658	45026	A	14744	1	928	
14659	45027	A	14745	283	1074	
14660	45028	A	14746	450	1970	VRVLSPEKELKLWKNTHKLL SYPTVGAAVTQLQNLTAMGVI GSHGARGQVVALNRQRQGD QPFRVTVHWGKGYDRTFWGL LDTGSELTLPQDPKHHCPPV KVGAYGGQVINGVLAQVQITV GPQTHPVVISPVPECIIGIDILSS WQNPFIGSLTGIMVGKAKWKQ LELPLPRKIVNQKPYCIPGGTVE ISATIKDLKDAGVVIFTTSLFNS PIWPVQKTDGSRMTVGYRRL NQVVTTPATAAAPDV/VVSLLE QINTSPGTWYAAIDLANAFSIP VHKPHQKQFAFSWQGGQYAFT VLPQGYINNPALCHNLIQRNLD HFPLLQDITLVHYLNDIVLIGSA IKWVMHSS/DSIIKWKWHVHDR AQADPEGTS*PGYGHF\WCPIC QQQRPTLSSQYDTPWAISQLPG DRLIIGPLPLWKGQKFVFTGIDT YSGYGFAYPACNASAKTTIMES QNTLSTLMVFHTALPLTKALTS WLKKCSSGLMLMEFTGLTMFSI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14661	45029	A	14747	1	2589	MGPPYKPPTTWPPQTL SYHSTT PVKLQSLSLPPTAARGATEPCH LQAPASSVQQMTTPAPGLKHL GGKSQMCLEQDGRSGSVRGSP CHAGHWVAGAGFGKGTTRTW GHVNLIVPPNCPTASSSAARDS APNQPLLGVVTAQIVPPTCPPA MTVQELIAPLTLPAAAGCRRGV RPFQTRVWLLAQLLRARLGGP GEGVVTCHSWRLERVAPRLAS LWWALAAETAARLDWAAKRP SAWGSIKAAEFSSKATPRLEGA SSRTLWVSYIAKETTTGKNGP VEPSHLWEAYCRATAPHPAVH SPSAEVITYTCGIVNLLLQGLVP KSHLEHTGCHVVVELIICSVV LPLISRLSDPDWIHLVLMVIFSK ARDPTPCPASGPEQPSVPTSLPL IAEVQQLPEGRAPSPVAAPGFLS KQIQDALCALEGSQALEPKGGE GSEGVEAEGPGTETETVLPVST LNFCEIQIDIADKEIEQGEVTTT VTALLEGLEKTCSSRPSCLEKD LTNDVTYLDPTIFSFELSSPDG PVVIQNLHITGTITAQELSGTGL QPCTRYTVKCETSLDGENSSLQ QLAYHTVNHRYWEFLNLQ/SH QEKKPDL*KFIKNIEKMVVS VDNLKTAFPCSESQGPTEELSE AETESKSQTEGKKARKSRLRFS SSKISPALSVTEAQDTILYCLQE GNVESKTLMSGMESFIEKQTK
14662	45030	A	14748	478	3507	SKILRAVIWGSHLVRSAMKTET VPPFQETPAGSSCHLNLLSSR KLMAVGVLGWLVIHLLVNV WLLCLSALLVVLGGWLGSSL AGVASGRHLERFIPLATCPPCP EAERQLEREINRTIQMIIRDFVL SWYRSVSQEPAFEEEMEAMK GLVQELRRRMSVMDSHAVAQS VLTLCGCHLQSYIAKEATAGK NGPVEPSHLWEAYCRATAPHP AVHSPSAEVITYTRGVNLLLQ GLVPKPHLETRTGRHVV
14663	45031	A	14749	1	417	
14664	45032	A	14750	34	350	RERQEGGVAGRVMDSVVE RGAYADQIWGRPKGGESRGEK RKGRWVQRVRLRARVTPAGL GECKWGRGRGD*VRRVKPRAL RERWGDGSTVSDSTPMKPGLE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14665	45033	A	14751	1	1604	MASKRCIRDFRSRGGKLSFQL YATFRKEGCGPVLANGNPGGG RGQEVSATQDLRRGWGIASSAS RFPWRQSWPGRPLGNYSAGA PGEAKMPKSGKDKKKGKSKGK DTKKLIKTDSEVVDRAKANASL WEARLEVTELSRIKYRDTSRIL AKSNEDLKKKQCKMEKDIMSV LSYLKKQDQEKDNMIEKLKQQ LNETKEKAQEEKDKLEQKYTR QINELEGQFHQKAKEIGMIHTE LKAVRQFQKRKIQVERELDDEI NDLLVKEKIMQLVQQRSQIQTL QKKVVNLETALSYMTEKEFESE VLKLQQHAMIENQAGQVEIDK LQHLLQMKDREMNRVKKLAK NILDERTEVERFFLDALHQVKQ QILSRKKHYKQIAQAAFNLKMR EHVQEEQNIPKSEHLMAESTAPI V*IRIFWRPKNGHILKEMWILEI *PGSRRKKYCDCSLQK*MAVLL GNTTQSSRPSSRTMLFLDSGET KEFGDESKLQDKIFITQQIAISD VFW*SGATHYSKRTSGV*HSGK SESLQPRGQRLI
14666	45034	A	14752	95	473	
14667	45035	A	14753	168	449	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14668	45036	A	14754	1	2000	MAFEQAKQVVKLALDLWPIGD GPVELQVTVLDQHANWSLRQE QHGKRGPLQFTDVAIEFSLEEW HCLDTAQRNLYRNVMLENYRH LVFLGIVLSKPELITCLEQGKKP LTVKRHEMIAKPPGQKNWEKQ ALPLTGCLTKYPSWAKNIDIIVT CSHFARDLWPEQSIKDSFQKVT LRRYENYGHDLNLFKKGCEV DECKVHKRGYNGLNQYLTTTQ SKIFQCDKYVKVIHKFSNSNRH KIRHTGKKPFKCIKCGAFNQ STLTTHKKIHTGEKPFKCEECG KAFNWSSHLTTHKRIHTGEKRY KCEDCGKAFSRFSYLAHKIIHS GEKPYKCEECGKAFKRSSNLTT HKIHTGEKPYKCEECGKAFKR SSILTAHKIIHSGEKPYKCEECG KAFKHPSVLTTHKRIHTGEKPY KCEECGRAFKYFSSLTTHKIIHS GEKPYKCEECGKAFNWSSHLT THKRIHTGEKPYKCEECGKGF KYSSSLTTHKIIHTGQQPFKCEE CGKAFKCFSLTTHKRIHTGEKP YKCEECGKAFNSSSLTAHKRI HTGEKPYKCERCCKAFKRFSIL TRHKRIHTGEKPYKCEECGKGF KCPSTLTTHKTLAEIHAGKKPNK *E/ECSKAFKDTALTRHKIIRTG EKPCEFDECRKAFNQLSTFTKY
14669	45037	B	14755	269	1131	
14670	45038	A	14756	2	149	ALFRAGRQECLSLKLCPPPL SPTCFVPGR*GFYLHFFQRCAA QRGGI
14671	45039	A	14757	2	175	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14672	45040	A	14758	1523	2667	PLLVIHRQTGSGEDLQQTPADL QQRDLLERKLTNRNE*HQHQQ KRHPLKNPTQMSP/CIKDQRYIN PRSTIKLELGIKKLTENCTTTWK LNNLLLNDCWEKQERSKTDTL TSQLKELEKPEKTSKASRRQEI TKIRAELEIGTRKTLQKINKCG SWFFEKINKIDRSLARLIKKKRE KNQIDTIKNDEADITDPMET TNREYYKHL YANKLENLEEMD KFLDTYTLPRLNQEEVESLNRPI TSSEIEAVINSLPT/KKRSPGSDR FTAIFYQRYKEEL\VPFLLKLFQ TIEKEGLLPNSFYEDSILIPKPG RDTTKKENFRPISLMNIDAKILN KILANRIQQHIKKLIHNNQIDFIP GMQG\WFNIHKSINVIRHLNR
14673	45041	A	14759	640	1771	APVARMATA/PLFYTALLVFSAL GNILALCLTCQKRRKINCTGIY LVHLAVSDLLFTVALPGRVVC YVLGSSWPFGKGLCRLTAFVL YTDYGGVYLMACVSVDHYPT \VCAHWGPCLRTAGRARLVC VAIWTLVLLQTMPLLLMPMTK PLVGKLACMEYSSMESVLGLPL MVLVAFAIGFCGPVGIILSCYM KITWKLCASTAGRTQ*PAGKDTT GGASPGGPSDQPEKTPAGAAQ EDPVTPTERTPPAGQPERTQ*PA GKDATGGTAREDPVTSRKGRH WRGCLLTLLMLVAVVVCFSY HLNIKQFMARGMLHLPSCAER RAFLLSLQATVALMNMNCGI/D PIIYFFASTHYRKWLLGILKLG SSSSSSSSSTLY
14674	45042	A	14760	1	401	MVLVQWLTAITSFQWETQNK SLQFEDKWDFMRPIVLKLLRQE SVTKQQWFDLFLSLGATLQDSSG PLLTGKLKKKRKVSGTKY/IEAS SATSLKATTDTHHLLLYNPFWI PLTLI*HLCWLQRFA*SCDTPH P
14675	45043	A	14761	184	2720	
14676	45044	A	14762	34	251	
14677	45045	A	14763	2	452	LQIEII*ALEELAAKEKANEDAV PVCLAADFPSAGMGSSCDGQE DELDIKSRAAYNVTL/NFMDP PKIPHLKEKPYFGMRKMAVRW HHAENLVDRPQEESEDDSHLE GRDLDTWHVGVKISWDVKTPG LATPQGDCYFMLGNLWRTKIIL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14678	45046	A	14764	1	1701	MPFKCKKQHTFNKTSPKEGAI FTHGCLCTSPFNSELSHLGNL KLSSWEHLHHRSQQLSVRLH VPTQPVEHEFIQLIYIHTGAKL QASKVIIATKDGKRRKSPLWQL KYPKLILREASSVSEELHKEVQ EAFLTLHKHGCFLRDLVRIQ GK DLLTPVSRILIGNPGCTYKYLNT QLFTGP\FPVKGSNIKHTEA*IA AVCETFLKLNDYLQIETIQALEE LAAKEKANEDAVPLCMSADFP RVGMGSSYNGQDEVDIKSRAA YNVTLLNFM DPQKMPYLKEEP YFGMGKMAVS\WHHDENLVD RIQLQLWDPVDGTTASSAVPKQ GRDKRREVPNTLSQPNSEQGLI SAFHSRCVHAVFYKLTSA PKTT SLPDVPSDLLAEGLAASRAGQA LWRCDKKSLLTLVRKINLQ GK RDGGRSATNQSQPHLDNTGL ERQLEQKVGRCSRSPWRGLGHL EGNAQKGHLLHGVNKNQGH LRRHGV SIRAGRAPHLAAADT APGRISCLGHSEALKPRIQAGGL GAESI WQVLWEGGSNSSVFCR HDEEPAAELPLPGKQASGGHM
14679	45047	B	14765	16	1462	
14680	45048	A	14766	89	566	MEQGSII TQAWREDALVLT KQ GLVSK\SSPKRPHVCHILK\APFC CSCTQHVGQSSSPR*ANPHIRRE STPIAMSDQLQRLQYQFYQIPG TCLLPEVTEKNQGRICMVTDL ETLVHSSFKPISNADCLVPVELE GTMHQIHVLMRPYMDEF LTM EEMF
14681	45049	A	14767	1	305	LSGLEMFQAGAGAPSSPGY*GS CWAISWSGPPDKHSNRGASCG LETWAGAAATDTAGHPAAGR C*A*AGSGGDQGTGSTAPLPAT P*PLQSLV*AAALPA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14682	45050	A	14768	1070	2653	SLKPCMACL*HS*EKTLSDDSSG RSWICAVSF\GSPGPAAPLPEL SFPLRPGYTKLLPHATEEVSPFG SGAGRKLGPMLPSTAELCPGTR ARWSEGYRDLGRQAQDLQAG RKSVVTWALEGHPREEERAAA KVQQCQRMWEGCSDPQELIPR PGRNPDVPDSAVALLPWGPSR VPDLGPDSEHR/PAHSRVQYWL HKAPAPPSPSPQLAEPATPPTRP SSPGSRSPSSWHRLRSWSLNAD PW\RPRPADLPPGNPAPPSRGGA HGTWGGKDVRLPGRGSRLFSVV CGRREVQRAARRVGTGPGWR APGREREASR*QPPGTG/PASP MGRASSSGSRVSPGPIRRTAPW EGCSCSRHHWGKGLGPPDGE PG\PGSS*VAQPTVGGRRSLGPG GAAPARDAAAATPPGDAAARE GSGRHLRAPASRPQHQPSPRS HPPASATTASLQKFRSASSEPPS EDRPFDFSTAPPQCPRVAPSAG AR*R/AGGRLPE/PR/RPGPWGG GSRTNLTIPTSLHGPTPAAARTS PHRKS
14683	45051	A	14769	748	1073	SQHFGPRWVDRLRSGVRDQP GQHDKTPSLLEMQKVIAGRAGG CL*SQLLRRLRQENPLNPGGGG CSELRSGLCTSVWATGRDSI*K KKKKKKKKRKPWSLLSLIVLVQF
14684	45052	B	14770	59	466	
14685	45053	A	14771	2	3184	HRTGIPGSTISSPGGETVPE\MTA AMRERFDRFLHEKNCMSDLLA KLEAKTG\NRSFIAL\GVIGLVA LVLVV\GYG\ASLPLQPLLGFY PA\YISIKAIQE/SPNKEDDTQW/ V*TYWVV\YGVS\IAE\FFSD\F LSW\FPF*LHG*KCGFLVGWCN GPEAPSKWGLKLL*QAASSGPF LSLEATKSQIGQVLVKD\LKDQ GPKETADAIH*KPKKSLP*ILL G*KKKKK
14686	45054	A	14772	14	455	PQFPCRRFRALSEEELDNEDYY SLLNVRREASSEELKAAYRRLC MLYHPDKHRVPELKSQAERLF NLVHQAYE\VERRRTPAEIRE EFERLQREEREERLQQRTPNPKG TISVGVDATDLFDREYEDV SGSSFPQIEINKMHISQ
14687	45055	A	14773	328	479	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14688	45056	A	14774	15	1095	KVAKMATALSEEELDNEDYYS LLNVRREASSEELKAA YRRLC MLYHPDKHRDPELKSQAERLF NLVHQAYEVLSDPQTRAIYDIY GKRGLEMEGWVVERRRTPA\ EIREEFERLLREREERRLQQRTN PKGTISVGVDATDLFDYDEEY EDVSGSSFPQIEINKMHISQSIEA PLTATDTAILSGSLSTQNGNGG GSINFALRRVTSAGWGGELEFG AGDLQGPLFGLKLFRNLTPRCF VTTNCALQFSSRGIRPGLTTVL ARNLDKNTVGYLQWHCSSPLL QVQRPHRNTRACAPEPSFRPFL HVPTWDAECSGARTPSTAWTS AAVKLREACLSGPGSGSHQLLL LTPRSKRRTGGG
14689	45057	B	14775	508	1765	
14690	45058	A	14776	2	639	GRRRHRRRHRDCSRGDCYLPT GTNTQQPLPPPPEPLPELPTP DLSMQNSEGGADSPASVALRPS AAAPPVPASPQRVLVQAASSNP KGAQMQPISLPRVQQVPQQVQ PVQHVYPAQVQYVEGGDAVY TNGAIRTAYTYNPEPQMYAPSS TASYFEAPGGAQVTVAAS/SPP AVPFHSMVGITMDVGGSPIVFS AGAYLIHGGMDRPELLANL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14691	45059	A	14777	1	2091	MKPDDNSTQNEGGQSFEERHE TLQRVKFRGGPKTAPGRKLI AF LGQMNSGTSGGQRPVGEELM AGGATCLPNTAEHQPIRMKNL HTPAFRLCPLTLQDNEADAFW HQA FVDWGMPTGKKPQTLGLT YKTTHDLSMQNS/EGGADSPAS VALRPSAA/APPVPASPQMLPLE LVILGVV/PLDKCIPAQWSKEG QTNSYTYNPEPQMYAPSST/AS YFEAPGGAQ\MVGITMDV/GGS PIVSSAGAYLIHGG/MDSTRHSL AHTSRSSPARSFRSNSKAPSSRK FCC*LPTLSSKTL/SLFSKNLLRK LPLGKHSPDSVQWPWIYGLLV AGSESLASLLFPKASSSGETLGF ATGQLAGESRLPSLLAFILVPID VAWGKEQLVTQTTVYRVQGS GQHLNKA WQEPALVNICGMGE KVDVQVGLCQHRAHLDGWNS SRAASVWPGETLTHHQDQCQA NLPPGIETSILGTKGARYPSPQE QGGGRVWLERLDPRG/AVSGT DL*CLPQSDVPPGRA*SGGTGD KSISTHDKSGRGN SKYHY/YGIR LKPDSPNLRLQED/TQYMAMR QQPMHQKPRWCRAELGGAGSP LGMEDVSHVFPEFPAPD/LGSF LLQDGVTLHDVKAL/QLVYRR HC/EDVV/MNLQFH YIEKLWLS FWN/SKASSSDGPTSLPASDEDP EGAVLP/KDKLISLCQCDPILRW
14692	45060	A	14778	94	3006	RTRSLTRKAMAEHAPRRCCLG WDFSTQQVKVVA VDAELNVFY EESVHFDRDLPEFGHVLDVHG VHVHKDGLTVTSPVLMWVQA LDIILEKMKASGFEFSQVLALSG AGQQHGSYWKAGAAQALTS SPDLRLHQQQLQDCFSISDCPVW MDSSTTAQCRQLEAAVGGQA LSCLTGSRA YEFNLVCDRKHLK DTTQSVFMAGLLVGTLMFGPL CDRIGRKATILAQLLLFTLIGLA TAFVPSFELYMALRFA\GL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14693	45061	A	14779	1	710	MGPAAGAPTSRASRGPRAPALR AAVGRRCPRPEMPCQCHPLAR CGLDPAWTQLPQETAGAPRQD PRCTNQLICEHLPLEGLGFGYL GNKDSLRLHVKVVAVDALNVF YEESVHFDRDLPEFGGLASSAV TQSSS/DDLQQVP*SLQSLHAA* SLQTNASPFTFEHSFLGKRHPK GAGQKRAESPTRPPLRLQEAAAP GELQRPLPYGTQVPAGLCPSVS GLRLRARALLPYRTHSLSV
14694	45062	B	14780	1	252	
14695	45063	A	14781	73	198	
14696	45064	A	14782	762	1080	AGRAEMQQERESHEEAKDPSP LSPREGSQKQQQNVNTSTPSHC PR/PPLRMPPAPRRPVP/CDHPR AEECERKAQHWQAAPPAAPVR DPLGEASWAPESGGDVESLYI
14697	45065	A	14783	1	309	MTKTEREQNEQLDGGGYGERL GEYSLFLLCVPSELNQGKCERV SSYFGMNLSGVLKLPFPPTRE SWPPPHFTGTPHNHHGGVSNG ALGCAQRCSLHHATNAGGWER GGVNSRLFFLLSASFDAKIK PAPSPIDHLRAEEC*/PPPLSQPP ALVAWCREHLWAHPKAPLLTP
14698	45066	B	14784	1	471	
14699	45067	B	14785	1	1143	
14700	45068	A	14786	1992	2205	WRSMSGLRKRQLASQISYCPC WS\CP*EESHCRVSPAPLA*LL SPCPAPQQRSHDPPPPFPKHFP LPFSG
14701	45069	B	14787	389	973	
14702	45070	A	14788	287	525	TNPFNLLQH*KKP*CYTYISITD PTDACHKNKAFSSPAVSQLT/CI FSSTAGSFFVLSGHSCGHLAVFS LWPRSPQLPGTR
14703	45071	A	14789	475	616	
14704	45072	A	14790	1	704	MTKWKSNPQIHMELQRTLSNP NNLEKSNVKTYKAKIFDDNLI QLTFQQRQDRDTEQEKKEE EREKRKQQQEPLRKKAKMQTV RPGFDLTQGPNCNLTGKGTWSR LPPKNHRRPYTSRPEGPRVKA* NHGPEGRRGTRLPPEAAKRAQ AEEAAQ*WPTRSTLRLEVTTPRA MPP\SPSEDPRVAGVHPAPPRGP RSDS/APLRPQLRPPRSLFSLASE PAAAGNARGRHSVLALY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14705	45073	A	14791	200	408	SPHLMSINLITFANFLFPCE*RNS QFLKS/SIFVMWMIHNGMKCRQ LDTCHCRHGTCKDSICPLEES PLP
14706	45074	A	14792	240	771	GRGMQSPAQVDPAAKRGNIAG HTAHLWPKGGTLPLCF/YHLLI MQIREQP*SSLEYPTF/RILSLVS GTKLNKILANRIRQHIKKLIHHN QVGFIPGMQGGGLTPGSEQGHL RVSPSSPSSTVTLKLFNFMEPFE NLNLSKGKASVHTITQENTDSL KVQGSQFSQGHEKRTLCLKVS
14707	45075	B	14793	1	1557	
14708	45076	A	14794	150	1668	ESDARQGFPLENTRPHPSCMQ NHGICRSLHPGLCGCPPTARDA APATAGGVPAAY/GPLTGAPPG* LPGAGIGSKQSSTMGPSGAGSC LGL*APSQPAD/PGSIQGVLVIA DTE*PLVGGDGGLEAEHQWQ* EAGP/GGLIPKHMNPQSRQQSLF GRRGYRDSSLRSVLGRTGQQT* HAELGAGVMGPGGNGR*GH/G PRGLPCLVQGRRGPGVA AVAA GVSVAVPSGMLSENGPGCSK/P HSGDAGQRRGLREN*GVRALI WGAASSFLLTEQDLQELADCL HSGRKTCCFFYFQGRGDVAPGPV APAHHRLAGISTVVPEGPGLCV GEDRQLPG/GNQRAEPPP*LVR VSSLTGLPALGPRQMPNAGAG NGSGK*RGVRGSGPDWDCTGT HGGAGTGKLLWAGLSLFPPLSG KSEAHQQAAGHGYGRGLGSP GRPPRSRKGRVLGSESAPA*GSP QPLRSARQKPESSCPRQQGPVG RGPGAPLEAGHCSFPRPLGP SLHPDFPQGLQA
14709	45077	A	14795	3	374	RRPPSWG*RGCSQLPECAADGS LEDHGPLPPMVSCFSRHPAGRF LRVFPPSPLAVDCCWHNNNSYV VAVDCCSATCSLLLYPSQEFPP HKFLVYLVLSWHQLLGLELIC TQQPVNPVVS DG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14710	45078	A	14796	73	890	MSLVRTDGKVSFPHSRAASSPP PRFAGSLPWTPKGHGFTSFPRL EGYCPS/REGPSDWGRNSFRVSS WAWRPSQGVSHHTPGQGP/PSP GNRDK*VATRKSPGQPGSSPEP GWSLQSTSSPGATRTKGNLNTL KG*KQVVD*WVGVTGWEGS GAPQSPQPSREWRLSPRGVGVV KETWSPWWSGR*APPCPGQPQG QQTHMERGGR*G*QVGACGLG P*QWSSVTNGKDTRAPWSPPP RQRNGRWPAPPPFTFHYYYYY YYYYYYYYYFFFFGE
14711	45079	A	14797	273	678	TEESTSVLSVPNQTGAGAARIGI VSLRLCGLYVTSPPRAARMHIR PHGPWPGGSHHENGAEAGPES/E GAPASASGRGAPEGQAWPPRD AVLSSLMLALFRTKSARHLVLG TRQTAASPFPFFSQPSWYCSLG VDGG
14712	45080	A	14798	551	743	PTRITRSAGSSSWGSCRPRAPAP FSWSRPCLQGPRG*CRGLHSRF YAAP*VQGHVPVHILPYSKF\RRG RAALRPRGQWGLDSVLGTAVC GCGP/RSESDICSGR*GPE/WYIS PPVPPHVHRGFQQL\NCARQVG KGGGGPGCPMLGNH\SSQVGL GLGGQDQDSLESPGRVSSPSGP SAASDPGG*GFQGNPDVHPAP APPDW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14713	45081	A	14799	705	2299	KREWRPRHHPLGPPRCAGRSA PLSGPASPFS*WLPPGHGPCGR MCSRAARGGDVTYRTHNTRAP SCPSLHWVGERG*DAHTRTPSC PSLHWVGERG*DAHTRTPSCPS LHWVGERG*/GCPHSGLQLSFP PRSAGCCKALFEAEKSKGDTGL GKRGWAGGGAGGAARPCICNP TVPCPQSTQSPPV/PPGTR*QLG SSASHSRAASSPPRFAGSLPWT PKGHGFTSFPR/RGGVLPFPEGP SDWGRNSFR/GPAGPSMW*PAP PSDAQVGHGPGRAGLQRCRGR GGHTPFVLAAAAIDSAYFS**/D P*VFGSNFPHLSCFPG/GCGEGN Q*ARRRPLAGAAALPGPNLES WVCELSVAGPAVWDPVPSP/GD PTTGPESP/RNSAGACGAQGSM R*T*GTPATWSL/GPPPELPGSR HQRQCECGPAHVQRERMPGW ACMLKSVAQRGFQRR*QLSKA QAAAWRV\PGGR/GAGKD*GW RRWGVSRGGGGLCCARGGGGS SVRRGEVEGS/GCARGGGGCAG WRALSPSSLPISGAQELGS
14714	45082	A	14800	1	267	CSAGGPWRAPQPRRFHRRRRP AQLPPPLPLPLPASPRIHNRTF\ PRPSQRTPPPAALGCPEPGS/RS QGRGHARPPGSGEGDPTVSSPG
14715	45083	A	14801	218	430	
14716	45084	A	14802	9	201	
14717	45085	A	14803	1453	1936	EVEKHLCCQ*ELLRAQHN*AA ACRRRPPAPGPQCSAGGPMAR APAPQVPPPPPCSA\PPPLPLPP LPAS/HAHPQPHFRHGRRSALLP RPPWAVRSRGALAGPRTRAAA GLRGGAGAAPAPADARFPASSP AE*PKFPQNSARALTGFPRCTD PTVSSPGY
14718	45086	A	14804	1	580	TSGCSHSLHKPAGVSTRPPTVA SICAPRPRTSPLRRGSLTLWFPF GGHLTLLET\GFDSCPEEVEGP RFSTFKTS*ARGGRRQRCAPRG RREVGPPSAAESGRARGEPPRC RLLCRGGK/DPQPRAGEGEEAAA GTPEGSRAGASGSEGALPSAAS PGNSSGRSRPEAGANPKGAPRR CVWGEPPGRRTRLFPDE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14719	45087	A	14805	279	1148	ALHEFAMSRSLHASLH*S**STC P*QQPAPAPAGEPRARFPGKSSS ASSGPG/WPRNHGKQLHLPAQP Q/QQGRISPRVAGGSGCTGRA LLLAAGLQNSTRSLNPRDPPTIL SHRPLQGM/PDAP/RGCSHSLHK P/SRS/TPLSGQL*PPSAPHAPAQ APSVAGPLPCGLSPGDT*RYWR LLRFDSCPEEVEGPRFSTFKTS* ARGGWRQSRVWASARGASTL QASVQGR*NPPRAGEGEAAA GTPEGSRAGASGSEGALPSAAS PGNSSGRSRPEAGANPKGAPRR FLGGCLL
14720	45088	A	14806	765	4270	SQDTPGDLQCHGDL*DGAVLS EAPGGERVPRDD*GGVCPEGVP HVSLLRDSVAEALQPRGEAGG DQVPEAHARPPSAQR*PAGAGL RLHPPAAGGVPGQSGGHLPKIQ DDLTSKS*TNSTITLFPNKVTL SDSGRA*ILEGHRSTQGSGLGLEA DPGTVSHHQHPCPPNAATHHF HRTARPGVQQGPGPASVQQPES DGDGALLRSPCSLLPQGADEVL LQPDGDKQGGPRGRDSESD*G YSERR*AQDEYQGH
14721	45089	B	14807	133	2943	
14722	45090	A	14808	1	814	MEEELLRELLYSENWWSIPYND TIQELCCWAVLKRTFINGNTSR KPGMKMVTGLKKQERRSKQW GCEKEAKFVPDMWIVLEVGRP EERGIDGKRWGKSCSVEQSVW AFQNPIWSKAQTLNLSMK/AYE KGKEGVEEKFEARRSWFMRKK AISHLHNMEMQGEAASADVEA AVSYPEDLAKIIDESDYTKQWIS NVDKTVFYWKKMPSRTFIATE EKSMPGFKASKDSLTPLLGTNA AGGF*LKPLITYHSQTSRALKN YAKLTLLMLYKWNK
14723	45091	A	14809	123	515	PKQSAKTIWTSTARPEDVVTCS FKEEFLPGNTHHDFSINKRSDPE LEVSRPLARPENFPANRSHSLL L/RPCRGRWAAHWTGCSSLLD ASSAPRTDQPSLWRNLPTASLG GPWSHNQPGIVFQNTYLMKWP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14724	45092	A	14810	279	1136	VDVDLACVRGLLCSCDEFLSW LALNRTVLATPALPSCLSQMAS SLPGLCARTRRGERADSQRGTC AFFSPARTASQAPLVASSVRKQ RVWAPNPLNCHTLPPSRGSQRG GYIGEEGVFGSRVVGIVVPGPN GSPWPLGVQR/PECVLLGVGSG S/SSHSELFSEADFISRL LAPSPSP APAS/MGNAIEEEAPELGPLGRV FVDDFHVDYNFIHLHEDLCYGP LEGPDLDLAGTGDRTPPLHSRP RASLSPSALRCP*ALGF/WTSLA WGSPNSSSRVPEAQPPAPSLAE
14725	45093	A	14811	1	1597	GGRKAAVGVETR PQGSAQPTW LPVHGDCTCTLLLP CRAWWR GGLPWAASVVGAKCVWTPPER GLMLHKPM PGWSSGYRVVLP AVAFFRLRAQVTKLGEEVSLRF LKREAKLCGFLQKSFLALEKR MKASESSRLKLEGSRLGELES WEKLRGLMEERLRALQGQHEE SHLLEQCQGLDAAVAQLTKFV QQNQASLN RVLLAEKAWDA KGRLEESRAGELAA YVQENLE AAQLAGELARQEMHGELVLLR
14726	45094	A	14812	150	1625	CLGKAFSCREL NAYLR LPTFFIV FSLRQPSLRMH SRAWVKTCGA MPCSCCIRH CCSVTDMAVRSL ALLQLVNRTPLRRRQISAACQR MSTFLFFRACTF*PRNRSSSGRH /DLTARPRQAILRQNFLK/RAQS RNL TAPNSPR**LLVKTYRQTS RPVSAAH*CPR*RGRAALAAAC HSGSPGARRQTAGPAEGPAR*T RRDFL**RAACLRRRWK WPE*L *RSRSSP*SQGSCPPALPAPRR CSAGSRTGPAARWCRAGAGSR RHAGSSA***SRR*GRSASGRR PRHGGTAGSGRWLWWARCPA *AGIPWPSWPCHSSWP/PQSVRV VSSG*RASLHSPGLDSSGGGLQ SFLLVQLPAQGKTSSQP\RHAA APSAAACPHAE*CTLGSCPRSA TLPSTPPRASPPAG\RSAVSPCPP GHEGVLVSKHHLLLSRSGRG LGGNVVRPCSVQPM DGVGQEL AVADRDQLPCLVCQD GECPLK ASGRPVLGCP



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14727	45095	A	14813	921	1446	ACCISHGNLWHHLDQKHGLQS *GEKSRLFSRPNLQVPVHTGLD HRARYLTGPRKQGH LWPTGPS SVFDNENFCKLSVGM*TGRASA RQQIQSPFAESGKAFSDICSVSL RLCVLPHPWNSRLRSPALRNSL KYSVTSSAAARRKLLPLASGPL RLGPRSLPTRLQVLRWEKVASA
14728	45096	A	14814	1	675	
14729	45097	A	14815	1	2341	MASDLVNRCEACDLPQGPISVH QFPRLSNEVTTTVGRNSES PNQ RSVSGPWTPREVRRGVAAAAH GFSGQNAKWA AHIPATAMSFA LPYSVLHSPHALTTHPLNPGDA VTMPSTSTVSAANASKGRSFS QCFQSTE EGQERRRPRTSQAKV QQGSTAGKVNELITLAGHIKSQ APHGKRKPPRDSHVICSMLRK RKPDETPSPSSDAQFSGMLAVA VSSLLCPRSSPSQQWHCHSPSTT ILGSSDVSDTSFQPSTKLGPVHG FPPQSRDCILDFELIRKVTGAWS SLTAGSWETKIQEFSEEDILAPH RITPGPHSSKSPVHFLASLWGR KTKLYHHTIQDKEPRSVPEAGS SGRRDGGGA AHSMCLMAPEPD HPGSNPNCRSPATLHADADGN LQREAAKCCQDGTQVSTHVDH TSAPRQAETGPATGENEKMESH GRSKRGLVGADQCPAETLDSY TLLVGHKKRDKDRQTPGPAPQ VNSFVPENYLLRGPLAPLGS AIS MKTAGAVHIRPSGDLGRAPAP AVRPRPRPPRRPRLLPGPAHLP GAPRPAPAPLSRRAARQSPAA AAAPPPGCE/RRG/PAGPASGAG PPAPAHGARPGGKPAANPPRAP QP*P/RRRRSRRRAQPRGPAPL SRMRAEGPARALRPPPHYQPEL GPPSETVGPVTELLAPIPTARFP TRSHYPYVTASPARSS*TSGLD*
14730	45098	A	14816	44	455	HLRNRTR/PSQITPHIYNHLIFDK /PLFNIWWENWLAICRKLKLD PFLTPYTKINSRWIKD*NIRPKSI KNLEENLGNTIQHLG/IGKDFM TKTPKAMATKAKIDIWDLIKLK SFCTAKETIIRVNRLPT*WEKIF AIYP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14731	45099	A	14817	1	279	IQDIGMGKDFMTKTPKAMATK AEIDKWDLIQLKSFCTLKEITIR VNRQTEN\YPSDKGLISRMLP NF*RLFPAS*KKPPLFDIGKTEK TNYS
14732	45100	B	14818	1	2025	
14733	45101	B	14819	1	3570	
14734	45102	B	14820	1	1380	
14735	45103	A	14821	1391	2742	KKRESSLTHVMRPASF*YQSQA ETQQKKRILDQYP**TLMQKSSI K/YLAKRIQQHIKKLIHHDQVGF IPGMQGWFNIRKSINVIQHINRA KDKNHMIISIDA EKAFDKIQQPF MLKTLNKLELEETT VKFIWNQ KRAHIAKSILSQKNKAGGITLR DFKLYYKATVTKTAWYWYQN RDIDQWNRTEPSEITLHIYNYLI FDKPEKNKQWGTD SLFNKWC WENWLAICRKLKLD PFLTPYTK INSRWIKDLNVRPKTIKTLEENL GITIQDIGMGKDFMSKTPKAMA TKAKIDK WDLIKLKS FCTAKET TIRVNRQPTKWEKIFTTYSSDK GLISRIYNELKQIYKKKTNNPIK KWAKDMNRHFSEEDIYA AKKH MKKCSSLAIREMQIKTTMRYH LTPVRMAIIKKSGNNRHAPFSIH THIMFGSLYLQIQKDLSILGFW YPRGILEPIY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14736	45104	A	14822	1	1698	MEDEM NEMKQEGK FREKRIKR NEQSLQEIW DYVKRPNLRLIGV PESDGENGTKLENTLQDIIQENF PNLARQTNIQIEIQRM PQRYSS RRATPRHII VRFTKVEMKEKMS RAAREKEIQTTIREYYKHL YAN KLENLEEMDKFLDTCTLPRLNQ EEVESLNRTVTGSEIVAIINSLPT KKSPGPDGFTA EFYQRQSESQI MSEFPFTIASKRIKYLGIQLTRD VKDLFKENYKPLLNEIKEDTKK WKNIPCSWVGRINIVKMAILPK VIYTFNAIPIKLPMTFFTELEKTT FKFIWNQKRAHVAKSILSQKNK AGGITLPDFKLYYKATVTKTA WYWYQNRDIDQWNRTEPSEIM LHIYSYLIFDKPEKNKQWGKDS LFNKWCWENWLAICRKLKLDLP FLTPYTKINSRWIKDLNIRPKTIE TLEENLGITIQDIGMGKDFMSK TSKAMSTKAKIDKWDLIKLKSF CTAKETTIKVN RQPTKWEKIFA TYSSDKGLISRIYNELKQIYKKK VTNNPIKKWVKDMNRHFSKEDI YAAKRHMKKCSSSLAIREMQIK TTMRYHLTPV
14737	45105	B	14823	91	1596	
14738	45106	A	14824	1	2757	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14739	45107	A	14825	1	2677	MGKKQSGKTGNSKKQSASPPP KEHSSSPAMEQSWMENDFDEI NKIDRLLARLIKKKGEKNQIDT TKNDIGDITTNPTIEIQTIREYY KHLTYNKLENLEEMDKFLDTY TLPTINQEEIESLNRTITGSEILAI INSLPTKKSPGPDGFTAIFYQRY KEELVPFLLKLFQSIEKEGILLN SFYEASIIIPKPGRDTTKKENFR PISLMNIDAKIFNKILANRIQQHI KKLIHHDQVGFIPGMQGWFNIR KSINVIQHVNRTKDKNRMISID AEKAFDKIQPFMLKTLNKLGI DGYTLKIIIRAIYDKHTANIILNG QKLEAFPLKTGTRQGCPLSPLL FNIVLEVLARAIQEKEIKGIQL GKEEVKLSLFADDMMIYLENPIV SAQNLLKLISNFSKVSRYKISVQ IPQAFLYTNNRQTESQIMSELPF TIASKRIKYLGIQLTRDVKDLFK ENYKPLLNEIKEDTKKWKNIPC SWAGRINIVKMAILPKNWKKT TLKFIWNQKRARIAKSILSQKN KAGGITLPDFKLYYKATATKTA WYWYQNRDLQWNRTEPSEIT PHIYNYLIFDKPDKNKQWGKDS LFNKWCWENWLAICRKLKLDLP FLTPYTKINSRWIKDLNIRPKTI KTLEENLGITIQDIGMGKDFMS KTPKAMATKAKIDKWDLIKQE SFCTAKETTIRVNRQPTKWEKIF ATYSSDKGLISRIYSELKQIYKK
14740	45108	B	14826	1	1186	
14741	45109	A	14827	1	2304	
14742	45110	B	14828	1	2995	
14743	45111	A	14829	1	3095	
14744	45112	A	14830	1	3654	
14745	45113	A	14831	1	3189	
14746	45114	A	14832	1	2064	
14747	45115	B	14833	1	3031	
14748	45116	A	14834	1	3192	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14749	45117	A	14835	1	3210	MVKGSIQQEELTILNIYAPNTG ALRFIKQVLRDLQRDLDSHTIIM GDFHTPLSTLDRSTRQKVNKDI QELNSALHQEDLIDIYRTLHPKS TEYTFFSAPHHTYSKIDHIVGSK ALLSKCKRTEITNCLSDHSAIK LELRINKLTQNRSTTWKLNLL LNDYWVHNEMKAEIKMFFETN ENKDDTTYQNLWDTFKA VCRGK FIALNAHKRKQERSKIDTLTSQL KELEKQEQTHSKASRRQEITKIR AELKEIETQ
14750	45118	A	14836	1	3144	
14751	45119	A	14837	113	1336	PTLAGTGNQETSHLGFNAIPIKL RMTFFTEL/EKTTLKFIWNQKR ARITKSILSQKNKAGGITLPDFK LYYKAIVTKTVWYQNRDID QWNRTEPSEIMPHIYNYLIFDKP DKNKKWGKDSL FNKWCWEN WLAIYRKLKLDPFLT SYTKINS RWIKDLNVRPKTIKTLEENLGN TIQDIGMGKDFMSKTPKAMAT KDKIDKWDLIELKSFCTAKETTI RVNRQPTWEKIFATYSSDKGL ISRIYNELKQIYKKKTNNPIKKW VKDMNRHFSKEDIYAAKRHMK KRSSSLAIREMQIKATMRYHLT PVRMAIKKSGNSSRSNIVHSVT QANALESSWIPLFLPHIQYISKP QASSFKMYHVTDPILPPSSQHL DQAAIINLCLQWPLLWFECMCP SKIHMLKLTPQ
14752	45120	B	14838	1	3127	
14753	45121	A	14839	1	2742	
14754	45122	A	14840	1	1998	
14755	45123	A	14841	1	3030	
14756	45124	B	14842	1	2558	
14757	45125	A	14843	1	3828	
14758	45126	A	14844	1	4134	MRKKQSRKTGNSKKQSTSPPPK ERSSSPAMEQSWTENDFDELRE EGFRRSNYSKLQEEIETKGQEV ENLEKNLDKCITRITNIEKCLKE LMELKAKARELHEECRSLRSRC DQLEERVSVMEDEMNMKQE GKFREKRIKRNEQSLQEIWDYV KRPNLPPIDVPESDRENGTKLE NTLQDVIQENFPNLARQANIQI QEIQRMPQRYSSRRATPRHIIVR FTKVEMKEKMLRAAREKAFKQ ASRREDDIAKVTS
14759	45127	B	14845	1	3555	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14760	45128	A	14846	1	3345	
14761	45129	A	14847	1	3451	HTKNPSVHHHRQRPKVDKTTK MGKKQNRKTGKSKTQSAFPPP KERSSSPAMEQSWMENDFDEL REEGFRRSNYSELREDIQTGK EVENFEKNLEECITRITNTEKCL KELMELKTKARELREECRLRN WIKSQDPSLCCIQETHLMCRDT HRLKIKGRRKIYQANGKQKKA GVAILVSDKTDFKPTKIKRDE GHYIMVKGSIQQEELTILKIYAP NTGSPRFMKQVLSDLQRDLDS HTLIMGDFNTPLSTLD
14762	45130	A	14848	1	2606	MVASRSSRVGVFYGGQNSVDG VSRSDGSLNELCLYRPPTGAY LAYDTLDVLPSCQFTVNTPID VNGKSLALLWEHTSLTSMG GGRWAMQPLGQLGQLEHLGD RRDQVLDGRSGRRLDAAQHL RHRPDRRPQGMVGVLTNQKEP RTRWIHSRILPEVQGGTGVPS TIPDRKEGILPNLFDEASIILPK RGRDTTKKENFRPISLMNIDAKI LNKILANRNQQHIKKLIHHDQV GFIPGMQGWFNICKSINVIQHIN RTKDKNHMIISIDAEKAFDKIQ QPFMLKTLNKLIGDGYLKIIIRA IYDKPTANIILNGQKLEAFPLKT GTRQGCPLSPLLFNIVLEVLR AIRQEKEIKGIQLGKEEVKLSLF ADDMIVYLENPIVSAQNLLKLIS NFSKVSAKYINVQKSQAFLYTN NRQTESQIMSVFPFTIASKRIKY LGIQLARNAKDLFKENYKPLLN EIKEDTKKWKNIPCSWVGRINI VKMAILPKVIYRFNAIPIKLPM FFTELEKTTLKFIWNQKRARIA KSILSQKNKAGGITLPDFKLHY KITVTKTAWYWYQNRDIDQW NRTEPSEITPHIYNYLIFDKPEK NKQWGKDSL FNKWCWENWLA ICRKLKLDPFLTPYTKIHPRWIK DLNVRPKTIKLEENLGNTIQDI GMGKDFMSKTPKAMAAKAKI DKWDLIQLKSFCTAKETTIRVN
14763	45131	A	14849	1	2862	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14764	45132	A	14850	1	3724	MGKKQNRKTGNSKTQSASPPP KERSSSPATEQSWENDFDELR EEGFRRSNYSELWEDIQTKGKE VENFEKNLEECITRITNTEKCLK ELMELKTKARELHEECRSLRSR CDQLEERVVSAMEDEMNMKRE GKFREKRIKRNEQSLQEIWYV KRPNLRLIGVPESDVENGTKLE NTLQDIIQENFPNLARQANVQI QEIQRMPQRYSSRRATPRHIVR FTKVEMKEKMLRAARQKAPH HTYSKIDHIVGSKAL
14765	45133	A	14851	2	2375	
14766	45134	A	14852	1	2376	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKGREIITNCLSDHS AIKLELRIKNLTQNRSTTWKLS NLLLNDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDTFKAVC RGKFIALNAHKRKQERSKIDTL TSQKLELEKQEQTHSKASRRQE ITKIRAEKKEIETQKTLQKINESR SWFFERINKIDRPLTRLIKKKRE TNQIDAIKNDKGDITADPTDRQ TTIREYYKHLIYANKLENLEEM DIFLDITYTLPRLNQEEFESLNRP ITRSEIVAIINSLPTKKSPGPDGF TAEFYQRYKEELRIKYLGIQLT RDVKDLFKENYKPLLKEIKEDT NKWKNIPCSWVGRINIVKMAIL PKVIYRFNAIPIKLPMFTFFTELE KTTLKFIWNQKRARIAKSILSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDIDQWYRTEP LEITPHIYNYLIFDKPEKNKQW GKDSLFLNLWCWENWLAICRKL KLDPFLTPYTKINSRWIKDLNV RPKTIKLEENLGITIQDIGMGK DFMSKTPKAMATKDKIDKWDL IKLSFCTAKETTIRVNRQPTK WEKIFTTYSSDKGLISRIYNELK QIYKKKTNNPIKKWAKDMNRH FSKEDIYAAKKHMKKCSSSLAI REMQIKTTMRYHLTPVRMAIHK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14767	45135	A	14853	1	1576	MDKFLDTYTLPRLNQEEVESLN RPITGAEIVAIINSLPTKKSPGPD GFTAIFYQRLISNFSKVSIGYRIN VQES\QAFLYTINRQTESQIMSA LPLTIASKRIKYLGIQLTRDVKD LFKENYKPLLNEIKEDTNKWK NIPCSWVGRINIVKMAILP/KEL EETTLKFIWNQKRARIAKSILSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDRDQWNRTEP SEIMPHIYNYLIFDKPEKNKQW GKDSL FNKWCWENWLAICRKL KLDPFLTPYTRINSRWIKDLHV RRKTIKTLEENLGNTIQDIGMG KDFMSKTPKAMATKAKIDKW DLIKLSFCTAKETTIRVNRQPT KWEKIFATYSSDKGLISRIYNEL KQIYKKKTNNPIKKWAKDMNR HFSKEDIYAAKKHMKKCSSLA IREMQIKTTMRYHLTPVRMAH KKSGNN/R/CAPGTPERQNHSL WKGS*SQEPSGLAQWIPLPWS AS*DPLA*NSCCQHSLKSTWD AQACARKLRTLKGYRNCQLE
14768	45136	B	14854	328	1467	
14769	45137	A	14855	3	3412	
14770	45138	A	14856	1	2907	MDKFLNTNTLPRLNQEEVDSL NRPITGSEIVAIINSLPTKKSPGP DGFTAIFYQRYKEELRIKYLGI QLTKDVKDLFKENYKPLLKEIK EDKNKWKNIPCSWVGRINIMK MAILPKVIYRFNAIPIKLPMFFI ELEKTTTLKFIWNQKRALIAKSIL SQMNRAGGIMLPDFKLYYMAT VTKTAWYWYQNRDIDQWNRRT EPSEITPHIYNYLIFDKPEKNKK WGKDSL FNKWCWENWLAICR KLKLDPFLTPYTKI



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14771	45139	A	14857	1402	3004	TEPKTKTT*LSA*MQKGPLTKF NNPSC*KLLIN/IVLEVLARAIQ EKEIKGIQVGKEEVKLSLFADD MIVYLENPIVSAQNLLKLISNFS KVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLNEIK EDTNKWKNILCSWVGRINIVK MAILPKVIYRFNAIPIKLPMFFFT ELEETTLKFIWNQKRARIAKAIL SQKKKAGGITLPDFKLYYKATV TKTAWYWYQNTDIEQWNRTEP SEIMLHIYNYLIFDQPEKNKQW GKDLSFNKWCWENWLAICRKL KLDPFLTPYTKINSRWIKDLNV RPKTIKTLEENLGITIQDISMGK DFMSKTPKAKATKAKIDKWDL IKLKSFCTAKETTIRVNRQPTK WEKIFATYSSDKGLISRIYNELK QIYKIKTNNPIEKWVKDMNRHF SKEDIYAACKHMKKCSSSLAIR EMQIKTTMRYHLTAVRMAIIKK SGNNSLIVGASMDTSLLSGPIPY DIQHFD RFGSVTVRRGCAIEFY

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14772	45140	A	14858	884	2925	GIKYLGIQLTRDVKDLFKERS/Y EPLLNEIKEDTNKWKNI PCSWV GRINIVKMAILPKVIYRFNAIPIK LPMTFFTELEKTTLKFIWNQKR ALIAKSILSQKNKAGGITLPDFK LYYKATVTKTAWYWYQNRDI DQWNRTEPSEITLHIYNYLIFDK PEKNKQWGKDSL FNKWCWEN WLAICRKLKLDPFLTPYTKINSR WIKDLNVRPKTIKTLEENLGITI QDIGMGKDYMSKTPKAMATK AKIDKWDLIKLSFCTAKETTIR VNRQPTKWEKIFATYSSDKGLI SRIYNELKQIYKKKTNNPIKKW VKDMNRHFSKEDIYA AKKHM KKCSPSLAIREMQIKTTMRYHL TPVRMAIHKSGNNSPTCVSQD WKLTQAVGLWSAEAEAPKSAQ RRPLAEGHRAAVQRDGSGLQL LCTVKLQVLPCIIAQGNNGRKA TSSLEAELTSWRPLCLEDGTGF RGEDTLETVNAEGRENRRKAG HRAAGSSASRRCRNTGRSVQRL RPQKTQAFPTHCHFCLILVVKA TQLNPKSRVRKVPFAPMKHGK ALAGPWANICAGKSSNEIRTC RHGCGQYSAQRSQRPHQGVDI LCSAGSTVYAPFTGMIVGQKEP YQNKNAINNGVRISGRGFCVK MFYIKPIKYKGPIKKGEKLGTL PLQKVYPGIQSHVHIENCSSDP
14773	45141	A	14859	1	2577	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14774	45142	A	14860	3019	5574	RETRGEVKNSKNQSTSAPPKDC SSLADPKKIQTIREYYKHLYPN KLENQEEMDKFLDTYTLPRLN QEEVESLNRPTGSEIVAIINSLP TKKSPGPDGFTAIFYQRYKEEL VPFLKLFQSIEKEGILPNSFYE ASIIIPKLGRDTTKKENFRPISV MNIDVKILNKILANRIQQHIKKL IHHDQVGFIPGMQGWFNHKS NVIQHINRTKDKNHMIIHAEK AFDKIQQHFMKLTNLKLGIDGT YLKIIIRAIYDKPTANIILNGQKL EAFPLKIGTRQGCPLSPLFNIV LEVLAIRAIRQEKEIKGIQLGKEV VKLSLFADDMIVYLENPIVSAQ NLLKLISNFGKVSGYKINVQKS QAFLYTNNRQTESQIMSELPFTI ASKRIKYLGIQLTRDVKDLFKE NYKPLLNEIKEDTNKWKNIPCS WVGRINIVKMAVLPKLPMTFFT ELEK\TTLKFIWNQKRARIAKSI LSQKNKAGGITLPDFKLYYKAT ATKTAWYWYQNRDLQWNRT EPSEITPHIYNYLIFDKPDKNKQ WGKDSL FNKWCWENWLAICR KLKLDPFLTPYTKINSRWIKDL NIRPKTIKLEENLGITIQDIGMG KDFMSKTPKAMATKAKIDKW DLIKQESFCTAKETTIRVNRQPT KWEKIFATYSSDKGLISRIYSEL KQIYKKKTNNPIKKWAKDMNR HFSKEDIYAAKKHMKKCPSSLA
14775	45143	A	14861	1895	6140	
14776	45144	A	14862	1	2875	MKAIEKVVFFETNENKDTTYQNL WDTFKAVCRGKFIALNAHKKR QERSKIDTLTSQLEKEKQEQT HSKASRRQEITKIRAELEIQTQ KTLQKINESRSWFFERINKIDRS LARLIKKREKNQIDTIKNDKG DITDPTEIQTIREYYKHLN KLENLEEMDKFLDTYTLPRLNQ EEVESLNRPTGAEIVAIINSLPT KKSPGPDGFTAIFYQSWAETQP KKENFRPISLMNIDAKILNKILA KRIQQHIK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14777	45145	A	14863	2843	4460	HQHQQKPHPHRNPIQKSPTS KT KVLEVLARAIRQEKQS/GIQIGS QEVKLSLLEDDMIVHLENPIISA KNLLQLISNFTKVSGYKINVQK SQAFPYTNKTQIENQIMSELPFT IATKRIKYLGIKLTRDVKDLFK NNYKPLFKEIREDTNKWKNI PC SWVGRINIVKMAILPKVIYRFN APIKLPMFTFFTELEETTLKFIW NQKRARIAKSILSQKNKAGGIT LPDFKLYYKATVTKTAWYWY QNRDRDQWNRTEPSEIMPHIYN YLIFDKPEKNKQWGKDSLFNK WC*ENWLTICKRLKLDPLTPY TKINSRWIKDLNVRPKTIK TLEE NLGITIQDIGIKDFMCKTPKA MATKAKIDKWDLIKLSFCTA KETTIRVNRQPTKWEKIFATYS SDKGLISRIYNELKQIYKKKTN NPIKKWAKDMNRHFSKEDIYA AKKHMKKCSSSLAIREMQIKTT MRYHLTPVRMAIIKSGNNRC WRCGEIGTLLHCWWDCQPVQ PLWKSVMRFLRDLELEIPFPAI PLLG IYKPGYKSC
14778	45146	A	14864	1	8335	MGKKQNRKTGNSKMQSASPPP KERSSSPATDQSWMENDFDEL REEGFRRSNYSELREDIQTGK EVENFEKNLEECITRITNTEKCL KELMELKTKARELREECRLRS RCDQLEERVSA MEDEMNE MK QEGKIKRDKEGHYIMVKGSIQQ EELTILNIYAPNTGAPRFIKQVL SDLQRDLDSHTLIMGDFNTSLL TLDRSMRQKVNKDTQELNSSL HQADLIDIYRTLHPKSIEYTFFS APHHTYSKIDHIVGS
14779	45147	A	14865	1	3166	MVKGSIQQEELTILNIYAPNTG APRFIKQVLSDLQRDLDSHTLI MGDFNTPLSTLDRSMRQKVNK DTQELNSALHQADLIDISRTLHP KSTEYTFFSAPHHTYSKIDHIVG SKALLSKCKRTEITNYLSHSA IKLELRIKNLTQSRSTTWKLNN LLLNDYWVHNEMKAEIKMFFE TNENKDTTYQNLWDAFKAVCR EKFIALNAYKRKQERSKIDTLTS QLKELEKQEQTHSKASRRQEIT KIRAE LKEIETQ
14780	45148	A	14866	1	3912	
14781	45149	B	14867	1	2832	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14782	45150	A	14868	1944	3531	LRDCKRINQHPVKTDQSAFCK M/API/MQDVVLEVLARAIQEK EIKGIQLGKEEVKLSLFADDMI VYLENPIVSAQNLLKLISNFSKV SGYKINAQKSQAFLYTNNRQTE SQIMSELPFTIASKRIKYLGIQLT RDVKDLFKENYKPLLKEITEDT NKWKNIPCSWVGRINIVKMAIL PKVIYRFNAIPIKLPMTFFTELE KTTLKFIWNQKRARMAKSILSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDQDQWNRTEP SEITPHIYNYLIFDKPDKNKQW GKDSL FNK WGWENWLAICRKL KLDPFLTPYTRINSRWIKDLNV RPKTIKTLEENLDITIQDIGMGK DFMSKTPKAMATKAKIDKWDL IKLSFCIAKETTIRVNRQPTKW EKIFATYSPDKGLISRIYNELKQI YKKKTNNPIKKWAKDMNRHFS KEDIYAAKKHMKRCSSSLAIRE IQIKTTMRYHLTPVRMAIHKKSG NN/R/CF*WQKPGPSG*ALRSWK EDIAGTSYVGMNQCQMRKNTK TLI
14783	45151	A	14869	1182	3891	KMIKGISTTDLTEIQTIREYYK HLYANKLENLEEMDKFLDTYT LPRLNQEEVESLNRPIITGAEIVA IINSLPTKRSAGPDGFTAIFYQR YKEELVPFLKLFQSIEKEGILP NSFCEASIILIPKGRDITTKENF RPISLMNIDAKILNKILAKRIQQ HIKKLIHHDQVGFIPGMQGWFN IRKSINVIQHINRAKDKNHMISI DAEKAFDKIQQHFMKLTNRL GIDGTYFKIIRAIYDKPTANIILN GQKL
14784	45152	A	14870	997	1161	CTSTVIMSICTKLQNKEHVIEAL RRAKFKFPGHPK\HISKK*DFT KFNADEFED
14785	45153	A	14871	1	1458	
14786	45154	B	14872	53	1468	
14787	45155	A	14873	1819	2235	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14788	45156	A	14874	707	1613	VRARAGERARVVRENGKAELP VALVLP SRALSHTFTCTDLKVQ FHQRLRLQEKSGKFIGSNMSQE SDNNKRLVALVPMPSDPPFNTR RAYTSEDEAWKSYLENPLTAA TKAMMSINGDEDSAAA/HRPAL *LLQENQSEPIPREGVGWG*GE ER\ERMTEEEQEGEGGGGGRRGG GEGEEEEEEEDVEEEEEEEEE EKEEEEKGGEKEEENEKEKQR EGRRGKETSNGQMVRPRLPP HQEHSRNYLVFIMDSNMIEICF REASISPKAQAYVLIPDFKNCIY GWEEDSIEILWGLPGSHVL
14789	45157	A	14875	3	346	QRSKSCKVPLGKPLTLPPKPE K\PQGQKDRRPTGFKP*N*RRRR SEKSLRFFPPGS/PQAVPIPVGFS FDTNL*HFL*KPLIFIMGGTVSL PHPRSPSAPPGTPQRPMTFCHLK Q
14790	45158	A	14876	1868	2666	GLLLSPFQGLQGVAPRKTRSNL HPGSLAHL SHQPPAPWPPRGLW PPGQETSCHCASGRALGTGSPR PPHAPWLHLEPQRAPHSGAPSP GSSPSAPLHIPVAPENLQSLGHR SPPNPSGPD CYSPSPGP/PPSSLD SPGLQTAPGAMFLSPRSGVQSA CPTPRSLDLRNSPASTPDQSVCP TPLSLAWLWPPPSPTSAKSLLFT LTSEVQSFSPTPIPPGSSDPPLSK QP\SGSCLSSSGHLTSPSPVRHSP WPRSSQNPHSWTLPS
14791	45159	A	14877	762	1528	AIPGGAAWPFRAEGAQGPGRK LTFKPLGAQRQSVSGGSEVPPL PLHLKMAPEMPVAL*SPGTGV HPSLLPPT/GPKVPPGRIDRGVPV TLAPQVGTAPIQWHCRGSRCP G/SRPPGGWR/RPCQAPAPPLGQ HLPRLLPPPTGPQGRPLTPSEP PPWSCWLPASPPAGPGSRRVGG GPGTCQGLLRS*GLLLSPFQGL QGVAPRKTRSNLHPGSLAHL SH QPPAPWPPRGLWPPGQETSCHC ASGRAVGTGSRRPRA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14792	45160	A	14878	1	963	MARKDCCSPPGDSSPGRPLPLV PAQCLVLLRLQITAFSSIHVAAN DMMSFFLMAKQDSIAYKYRIFF IHSSVDGHARPLSPSLVVENGC GKQVFLLCSDNASPEVSTVALA SCPGTFPRHCGAAESTHICATG LGELTPQGHGHIPNKLACCAT GLEELVPRDHGKLGISWFGFIA GAYLNLARVVGECQGSYGYLS LHHYCYCHYYHYCHYHYHAA TY*NHYYHYHH/HHNNSYHHH SYHYHSHFYHYHYNCHHH YHCRHYHHPHDYYHYHA/RHY SLYYCHYLCHYYRCYHDHSS HQNHNHECLP*VRHSAEHLQY
14793	45161	A	14879	105	1448	CHQPPASPFRRREPGEKPPER GCPAWEPAAQGPVQPLGEDGP RLCQPPPPSPDHAGPYGHQRS GRPTLPGPRK\PAKKRGR*PSS TGQ*SHRPTTGTGGQAGGSG* VTAGGQ*PPQNL*AKISCEMP GPSPGMQQGVKHPSLFSHQT AKGFTTRWNCRQVCPHRGERK WISSVRPCGGALAPSCA/DGLR GRRTLGSQPLW/PPAAVSAVG QLQPPCHTLTPHPLQNSTQHAE PQRGSVYSL*EGTSP\AAVPFA PHIEKRPFSTFPAGDA*PSEAH/ PGPACCHSPGGLEGPVSRAGPG TSAGR\PGNGRERAWPPHSGPS TPPDTSCG/SPGPQLARAGSRA NGSTLPPTRQGFLPGRKDSAGA CGQP\*AEGAAAGPSRSPAAER AVLPLPR\GRRKCRGGGPGVET GVSGARRGGDRSGCSPAALDA EAPASLAGVSIREG
14794	45162	A	14880	1	2421	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14795	45163	A	14881	1080	2571	VHCRFWILALCQMSRLQKSPLL FNIVLEVLAKAIKQEKEIKGIQL GKEEVKLSLFADDMIVYLENPI V/SAQNLLNLISNFSRVSGYKIN VQKSQAFLYTNNRQTESQIMSE LPFTIASKRIKYLGIQLTRDVKD LFKENYKPLLNEIKEDTKKWK NIPCSWVGGRINIMKMAILPKVI YRFNAIPIKLPLTFFTDLERTTL NFICNQKRAPTL PQVQSLS\QKN KAG\GIT\LPDFKLYLQGLQ*PK TAWYWY\QNRDIDQWNRTEPS EIMPHIYNLYLIDKPWEK/HKQ WGKDSL FNKWCWE\NWLAI CR KLKLDPFLTPYTKINSRWINDL NVR\PKTIK\TLEENLGIT\IQD\IG MGKDFMSNKTPKA\MA\TKAKI DKWDL\KLKSF\CTAKETTIRV NR\QPTKWKKIFTTYSSDKGLIS RIYNELKQIYKKKTNNPIKKWA KDMNRHFSKEDIYAACKHMK KCST\SLAIREMQIKTTMRYHLT PVRMAIHKSENSRCWR
14796	45164	A	14882	136	420	RESRNLSRGEESDPAEPS\ RNG *EHPLCYLQ*EFLQVLTMLQAE GTMHHFRSICQVNRNFLERGH/ SPPSPAPPETHTGSPRPPSGRSR IRAYLH
14797	45165	B	14883	1	1197	
14798	45166	A	14884	3	538	GAGTDGGRTPAPRAFPDPLGEA RTSAPTGPARGGSASAARPA VRPAEPAAEETQEOPRAGKRAI HEYRYVYVQRRKTD PQPAVA VFGIPADGD*VSRTAYHAHQPL AWSGR/E*MCLSMAMWNT*ST MKK*ISIRVISRCSGPVHRTN*QI PEPVRAWRFLICRCICFSPGRWI KT



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14799	45167	A	14885	1208	2765	KMAPTWDKMVSSAQMGFNLQ ALLEQLSQDELSKFKYLITTFSL AHELQKIPHKEVDKADGKQLV EILTTHCDSYWVEMASLQVFEK MHRMDLSERAKDEVREAALKS FNKRKPLSLGITRKERPPLDVDE MLERFKTEAQFTETKGNVICL GKEVFKGKKPKDNRCRYILK TKFREMWKSWPGDSKEV/RGY G*EIQDADPIQQPQGASRALPY TVVLYGPAGLGKTTLAQKLML DWAEDNLIHKFYAFYLSCREL SRLGPCSFAELVFRDWPELQDD IPHILAQARKILFVIDGFDELGA APGALIEDICGDWEKKKPVPVL LGSLNLRVPLCIENKLGVGED WGDQLRVYWWNPSKREGGSG WSHGSEDANQSLKHLRLSANV LLDEGAMLLYKTMTRPKHFLQ MLSPWETTLAQIIMLDWAEETS SDKLKYAFYCSCRELSRLCPCN FEELVFRDWPELQDDIPHILAQ ARKILFVIDGFDPLGGRTLWTL TRGHLRELGNRRKRCPSWGV
14800	45168	A	14886	213	625	EPGIDTSCLCAGRCRPGKGRA CGGSSPCSWPGQPPAPAAAAY PACPSGGRGAGPIQSGTCCSRS ADSRCTSWTAW/WPPGLGAAT VQTVMS*TV/WPMPHVQPAGW LALQGGAATAKHPLTSATTRS WCLGVGPGPWM
14801	45169	A	14887	1	375	MCNAQVLEYMGKSSSLTSDL QLVRDALRSLRNSFSGHDPQHH TIDSLEQGISSLMERLHVMETQ KKQERKPPLVIPRQT/WVWSGP PANSNRPAAGPDC*KEN*RDA LRSLRNSFSGHDPQHHTIDSLEQ GISSLMERLHVMETQKKQERKP PLVIPRQTGSGVDLQQTPTDLQ LRDLTVRRKTNEQKGIASASTK RTSTPKPHL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14802	45170	A	14888	1	750	MGELNQGSWRQGHLPDAAN GIAIRVPRRRKDESRKNPTRKPH SWKPTKNFEDDVEVMKRSM RIEDTHSGPSAAGVLEFAGGPL QTLFAWVSPAEEAEQRLLPVP /CLWKLCPRGAPARC\RQNSPSK LPSGFVYTVRGKLPTQASVVVD APPATKLECPRSTSDCCAGSKN FKPVDLSLLASVGPRVNLQES SHYGKISVTVAGHCPTHATGRI LGKQALRWSPMCSMFIGRALG LVPVEGGLLQIA
14803	45171	A	14889	81	164	VGKQGLEWTPANSSRPAAEGP DC*KEN
14804	45172	A	14890	1	674	MVVYACSPSYLEAEVGGSLSE VEATNPKNSSKKFLDLISEFCK VSGYKISVHKSVALLYTKNDQ AATQIKNLIPFTTAAKQFKYFGI YLTKEERLKPSRKKITKKHTK KRTASLILHAMICSQIPKQQNE KYQVPQFDQSTIKNIESAKGLD VWDSWPLQNADGTPPLVIPRQ T/VVWSGPPANSNRPAAGPDC QKEN*QTERNSINIKKKDIHTKT PLCI
14805	45173	A	14891	619	931	YLLMDFPLLHSLVSLGDKVP HEFWRGCPSCSFGPRFWVAGV LVL*APKL*LRQVRSAGKRCGQ KW*IK*/SDRLCVD*NK/WSDSD LKPATSCSLIVTCHSLLGF
14806	45174	B	14892	1	658	
14807	45175	A	14893	48	288	LCSIKKPEKSLLCW*YPGNRVW SGPPAKSNRPAAEGPDC*KEN* QTERNSININKKDIHTKTPSEGH QHQRPKTKPGRI
14808	45176	A	14894	801	1157	QSGPSAAGLLDFAGGPLQTLFA RVSPAEEAEQRLLPFPSSGKL RPRGAPARCQPELSCMRCR*SL LGGVSQSGYMGVRDPFEEAAC PLSELECSAGRSAALLRMVRQG HLGLLKLRP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14809	45177	A	14895	1	1891	MPVWVTVVKSWNTQIGRPGH VSALGFELTKNPWPLTYESGDG RSLGKPGAVSRRGGRHGHPHQ QAECDLPAAGRIAGPCERGLERQ EKLPPAPQGGAWHLRLSRERFK SEDAPKIHVALGGSLLNLAFL LVNVGSGSKGSDAACWARGA VFHYFLLCAFTWMGLEAFHLY LLAVRVFNTYFGHYFLKLSLVG WGLPALMVIGTGSANSYGLYTI RDRENRTSLELCWFREGTTMY ALYITVHGYFLITFLFGMVVLA LVVWKIFTLRATAVKERKGN RKKVLTLLGLSSLVGVTWGLAI FTPLGLSTVYIFALFNSLQAHKQ LKDRKVGPHFMQGAFLGKFK WGVDIASFEPQEQFWWTNLGK EDEDKSFDMPHSWVEQIEISPEE EAMGSAQMVRGVSGPERGSKK RPQLTVSTAFETRCPNGKKVIQ YKRAKLEKWAPYLNNSGLVSR LTTYEDLQCTNILEIKEWYQNR EDMLELKHINKTTDLKTDYFKP GHPQALRVHSYKSMQPEMDRV IEFYETARVDGLMKREETPRTM TEYYQGRPDFLSYRHASFG/RPS QEAHSEQCRVKPPAHCAKPAE DDV/RKSACFWSSRSASSCATT AVRTTSRPPSASSCGAPRWTA
14810	45178	A	14897	1	425	HVQQTEISRTVSTGSPHILSCSVP VTLPNGPVLWFKGN/AGPNRKL IYNFKQGNFPRVKEIGDTTKPG NTDFSTRIREISLADAGTYCYV KFIKGRAIKEYQSGRGTQVFVT VSYSSRSQKSEICISGLKSRHQQ NCSFWRF
14811	45179	A	14898	1	393	RQGNFPRAKQIGDTTKPGNTDF STRIREISLADVGTYYCVKFIK RAIKEYQ\SGRGTQVFVTEQNP RPPKNRPAGRAGSRAHDAHT CLSALPERNSTNYFVQPCCLLR LLGLTGFAVKIIQTGKERTSK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14812	45180	A	14899	1	753	MGSSLSPVLYVALPVRQPLLRSVVEERSTKMRVGSPGFQAKFRFYSQLSWSARGEGLVPFWLQPYPRPLNFKAEMTEQKENQTYVDGGFRPYIHRRKNLTEGHKAEEKMEPWDGFSDESCRTHCQVHDYAKGHGEVQRERVDEQKEHLGGRRQDCQQHLNRRLLHC/TVSGEAPSEASGSVRGHGRAHGLAGSERHGHDAAPEHQLLQSVDADHVVPVAWYQFWDDEGRGILSPGDHKPDRRGAAALY
14813	45181	A	14900	6	726	VEGISRTGIQAEQAPGFTTMPIPVSVNPGDVLTLACNMSALSPEGPVLWFKSIGPGQQLIFSCNGSHFPRVTPVENTMVDQTDYSIILSCSVPNTLPNGPVLWFKGTGPNRKLIYNFKQGNFPRVKEIGDTTKPGNTDFSTRIREISLADAGTYVCVKFIKGRAIKEYQSGRGTQVFVTGEYVSYTPYPLVYNS\PLWDEASRGRSRQQSLLFCSLHW*YPRKQDLEWTSSKLQQTCCRVA
14814	45182	A	14901	760	978	KKLLLLLLCGIEWHGFSSDSGSGGWVPEG*K*GCEHELLPEDVPSCFGWAECWLVRRTLPLFHYVELCYSFHG
14815	45183	B	14902	772	1165	
14816	45184	A	14903	1	2133	
14817	45185	A	14904	1	1311	MATTPGRALGSLLPTLLLGLTAGQPFISLTGPSHRTSPGDSVPFNCTAVPFNSQDFSRDFNVTWLKDSDEHPASAQRLVPDNGGNDFITSKAWVTLTRQDVSSEITCEVTHRALAEPLKTTMNLSQLATRNPDGTYSLEHTWQAEATLEEREFACWVVHDEQPPLKANVTQLAQVRRQKGQSVQPYKLQGQLQRSEPGTRIRLTYASSGFSTHQVTVTWLKNKHELPPNPQTSVQYSGHTYNVTSSVLVPLMDDDVFSHV VCHVEHKLTWFFQKTTGLDQYL/QG/DP*QLCGHLTLPSAPRAPQLPGLQHP/VVFHSQVLLFSCLVAVTCLVQRFYPQNVHLAWLEDCHTLKGTEQPTLKKNNDRSYTLEKLLLVNASVQGPVRLTCMMEHEGQPPKRANLVLSTAAHTAYKPIGSTESIMVTMIITISQM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14818	45186	A	14905	3	341	RRATRPGN*GGRHNAGRSSARL ETGRPAMAPQGRPRPLGCRTPQ HPGHWPSAPGLLPAPGPVAG MTQAQRWCPEPDAHFLQYTLY FVRHIPQLPKQTPHHYIATRLPC ATQ
14819	45187	A	14906	154	679	GVCCPLLGGVSS*ATWGS GTT* GGNTHLI
14820	45188	B	14907	1	2554	
14821	45189	A	14908	387	826	ARAACLPRGSARGTAGAGEEPP DPAPLHLRGEGPAP/HRPRSPRG MGWPAAPSTRSPST*RRCLPP RPRWSP*SHPGPRASARRLP*LS *RASRSSEAPSPGSLGSVAGQD CSRTGTGFSPAPFSDGQQT PPP APSSVPTLNSLG
14822	45190	A	14909	86	2223	GQEPQVREQKACHHLGSSPPPS WEL*EQRPAGP*N**PSTLTGT GSTTT*QIRMKVN*MGN/DSPQ GKNTPKMYSGEFSPVRVHVPFS LSDLKQIKIDLGKFSDDPDGYID VLQGEDILAKAGAIRHLNIGEG THVCCPLLEEGINPEVWATEGK YGRAKNAHPIQVKLKDSASFPY QRQYPLRPEAQQLQKIVKDL KAQGLVKPCSSPCNTPI LGVQK PNGQWRLVQDLRIINEAIVPLY PAVNPYTPLSQILEEA EWFTVL DLRDAFFCIPVHPDSQFLAFED PLNPMSQLTWTVL PQGFRDSPY LFGQALAQDLSQFSYLDTHVL WYMDDL LLAARSETLCHQATQ ALLNFLATCGYK VSKPKAQLC LQQVKHLRLKLSKGTRALSEER IQPISAYHPKTLKQLRMFLGIT GFCQIWINRYGKIARPLYTLIKE TQKANTHLVRR TSLQP VAYLS KETGTSLQP VAYLSKEIDV VAK RWP HCLRVVAAI AVL VSKAVK MIQGRALTVWTSHDVNSILTAK GDLWLSDNHNEEKIEHNWQQV IAQTYAAQGD LLEVPLTDPDLN LYTDGSSFVEKGLRKAAYAVFS DNGILESNPLTPGTSTQLAELIA VTQALELEGKREPENPADNASY SCEPLEDLRLLFRRQPIEAVKLQ MVLQMEPQM QSM TKIYRGPLD WPASPCSNVDDIEGTPPKEISTA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14823	45191	A	14910	929	1324	RRYQVQRPSEGLVYLFWPV*/ PVVGVDPLPTGPDVYLLVPI PPRARTPRWA*A*MKGCRRSAT A*WCMC*SCRVPCPSCTPMFHS PCSAMTAVTPSLARP*THGSPP KAQGAPQGVKGPSSGLEAPPW A
14824	45192	A	14911	2	286	
14825	45193	A	14912	220	249	P*N**PSTLTTGTGSTTT*QIRM KVN*MGN/DSPQKNTPKMYS GEFSPVRVHVPFSLDLKQIKID LGKFSDDPDGYIDVLQ
14826	45194	A	14913	1	163	EPENPADNASYSCEPLEDLRL FRRQPIEAVKLQMVLMQEPQM QSMTKIYRGPLDWPASPCS*DF LGRGAFNVINIGAWASRPVQGS AVDLSHGLHLGLHLKNHL
14827	45195	A	14914	1	287	
14828	45196	A	14915	2498	2788	
14829	45197	A	14916	112	333	
14830	45198	A	14917	329	1666	
14831	45199	A	14918	1	756	
14832	45200	A	14919	1256	1651	RRYQVQRPSEGLVYLFWPV*/ PVVGVDPLPTGPDVYLLVPI PPRARTPRWA*A*MKGCRRSAT A*WCMC*SCRVPCPSCTPMFHS PCSAMTAVTPSLARP*THGSPP KAQGAPQGVKGPSSGLEAPPW A
14833	45201	A	14920	1	987	MLVLGYNRKNTGQTQKQKGT NASDFHFLSQVLEQVSPKGSK EAQCCVLRHLGCESSESAPGIPP NLGIQLLTWAVMWDPFPTTLA RAPSLALELMTQYFNNWNWV YNNITDQGESKMSKLKGKERR QREGERRERKREKREKRESQR KERKREKKGKKREKDRSDL KQIKIDLKFSDDPDGYIDVLQ GLGQPYLTWRDIMLLLDQTL TPNERSAAITAVREFGLWYLS QVNDRKITEEREQFTGQQAVP SVDPHWDTSEHGDWCHRYLL TDVLEGLRKTRKKP\IN*SMISTI TQGKEENPTAFLERLREALRKH
14834	45202	A	14921	473	1015	
14835	45203	A	14922	3	937	
14836	45204	A	14923	530	612	LQAKVFFLLRWPAILRG*NYGP RGVPH
14837	45205	A	14924	101	430	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14838	45206	A	14925	1	1587	MAALTLRGVRELLKRVDLATV PRRHRYKKKWAATEPKFPAVR LALQNFDMTYSVQFGDLWPSIR VSLLEQKYGALVNNFAAWDH PGDIVLDLCAAPGGKTLALLQT GCCLTWSRKRCALSMFSRPA RCLCRARTTAPRAVRRPDQRR ATAAATKQQARATPEAPGSAA HSSYCTMIPSACCCLPRQLKPPH AQPARSAAPGLDQPGSHARL RGRGGEARQSLEAIRGGPSGIA PSDIPLPAKPSRRVIAQTYAARG NLLEVPLTDPDLNLYIDGSSFVE KRLRKAGIKAVKLQIVLQMEPQ MQPMTKIYCGPLDQPASPRSNV DDIEGTNASDFPFLSQVLEQVV SPKGSKEAQCCVLRPLGCESNL KQIKIDLGKFSDDPDGYIDVLQ GLGQPYYL TWRDIMLLLDQTL TPNERSAAITAVREFGDLWYLS QVNDRKITEEREQFPTGQQAVP SVDPHWDTESEHGDWCHRYLL TDVLEGLRKTRKKPIN*SMISTI TQGKEENPTAFLERLREALRKH
14839	45207	B	14926	1	939	
14840	45208	A	14927	1	4317	MQSMTKMYCGPLDQPASPCSN VDDIEVKLEIMLLTERDDGKEV LDVGEERRYIEEYDSKWTRK YNCLAVLRVHSGSQITTMKLIL WYLVVALWCFFKDGKIAASRS GGFSYGSSSSGDLDRKKPLFSL EFGSPGETEDKSRQRQDAGSPK SEDTPAGGFFNSSSSGSDSRTK PFFSLGLGAPGKAEDKSGDSQD AGGSKSEDTPPGGFFYGSSSSG DSDKKKPLFSFEFGATGEDEDK SRERWDAGNSRSEDS
14841	45209	B	14928	110	269	
14842	45210	A	14929	1	561	EVFPACSQLVYWGKPITYPLCE NNVYMLSPNASVCLYSPALAEQ FSHQFP SHDLPSVLAKFSLPVSL SEFRNPLAPAVQETQLIQMVV WMLQRLLIQLHTYVCLMASP SEEEPRPREDDVPFTARVGGRS LSTPNALSFGSPTSSDDMTLTSP SMDNSSAELLPSGDSPLNQRMT ENLLASLSEH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14843	45211	A	14930	1891	2522	GLSNQNNQPGRCIPDAHPVQDL VQDLVHTWCRVPCTSYVPCV* VPGAYLVHTRCIPGAGPGAYPV HTWCRTWCIPGAGFPAL/RPYH ALLLSDEKSLLGELPIDCSPAL VRVIKTTSAVKNLQQLAQDAD LALLQAMGSAVA\LVMWAWP RATGPLKYCLRVGAGGACGWR PRLVAVSRALLVWRCGSPWG PALAWQKSPEYSTKVLEKQ
14844	45212	C	14931	113	274	
14845	45213	A	14932	1	1634	MEIPAVILTVAPILHLTSCGFPV TGDGLKQAEKGKCAPEEWNPTK FIKLTDNQACFACGLWPLSEIQ RRTSRTVTIISRISALREKGNR KPTSISGSVNEMRQVLVKDQVS MPRVLPTIIFVPDEAGFSAGAV WPCAAPLWGSSWTPKVENCS FYIRLSFAISVGGDELKIAKLVS AFPERAYDLVGHQHQRPKVDK TTKMGRNQSRKAENSKNQNMS SPPKEHNSSPAREQNWMEF DELREVGFRSVITNFSELKEH VLTHHKEAKNLEKRLDEWLTR INSVEKSLNDLMELKTTLREL EAYISFNSQFDQAEERSVIEDQ ISEIKQEVKFKREKRVKRNEQSL QEIWDYVKRP\NLRLIGIPESDE ENGTKLENTLQDIIQENFPNIAR QANIQI/QGKLQRTPTKVASSRT ATPRHIISVGSPKLNMK\EKILR AAQRERSGLPTKGKPFRLTAAD LSAETSTSQKTEWGPIFNILKEK NF\QPR\ISYPAK\LSFISEGEIKYF TDQAKCLRDFVTTTAFSCLP*K STRPALKELLKGST



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14846	45214	A	14933	1	1429	MVLAAGDPVEKGITWARENAG IYISCTMMKLSMIPIGDQSYRNL IPLKFVACILIEGNAKCWPLPEF DPSQIRLIVYQDCERRGRNVLF DSSVKRRNEDISVSRIKYLGIQL TRDVKDLFKENYKPLLNEIKED TNKWKNIPCSWIERINIVKIAILP KKLGSDAQVKVFGKCCQLKPG GDSSSLDSSVTSSSDIKDQCLK YQRTVDLSAQLSSSGKGQTTSS SGSLTPMTPHWEIPPSGGQOTS HTGELRLASGRGSSGMKLPEEG TDRNLCCSAASSGDTQANRDW SGPPANTSRPAAEGPDCDRENG TKLENTLKDIHENFPNIARQAN IKIQEIQRQTQRYCSRRAIPIRHH VRFTKVEMKEKMLRAAGEKH WVIHKGKSIRLTVDLAETLQA RREWGPIFNVLKEKNFQLRISY PAKLSFISEGEMKSFPEKQMLR DFVTIRLALQELLKEALNMARE /NR*QPLQKHM
14847	45215	A	14934	2320	2811	ESKLTRGVKDLFRENYKPLLNE IKRGHKQMEEHSMMLGRKNQ YREKWPYLPKVNL*IQCHPHQA TNDCFHRIGKKLL*SSYGTKKE PALPSQS*DKRTKLEASHYLT NYTTRLQ*PKQHRYWYQNRDI DQWNRTEASEIMPHIYTILILWT NLRKTSMGERHP
14848	45216	A	14935	2	872	
14849	45217	A	14936	769	828	
14850	45218	B	14937	1	669	
14851	45219	A	14938	1	807	
14852	45220	B	14939	35	212	
14853	45221	A	14940	235	837	QQAHKTPQRRHSFTEYVRNN RLPETVIRVKQPALAIFSPDIAPL FVHFRADDDVTARVIHAIIMIF WCDRVEKRVSDAVACFTLESEI AEVGVLCRTHIRQ*RQVTPARM *ALSRILHACRSEDVRHNRPPYP VIRVKQPA\RRDLAPT*PHCSSIS AQTITSLPGCMREVT/ELRPEFF K*RKTVLRPTPIMRARAERRCK
14854	45222	C	14941	1	1755	
14855	45223	A	14942	1	747	
14856	45224	B	14943	1	2466	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14857	45225	A	14944	1	333	LNLVLFQQRAELMIS*PQ*FSRA LLVIFPLLQTELQQLFLLHVNP AAVEAPPSVPIGLYSENVRNNR LPETVIRVKQPALARFSPDIAPL FVHFRADDDVTARRVEKRCK
14858	45226	B	14945	1	1794	
14859	45227	A	14946	1183	1899	LNRRDSYVEYLADKVADREED ABEYLEAIMEARVTVAGMGLV MEVQDYFDGEADRLAKAWLA EYTPQIKSLKDERKEAYRQIVE MSTEPQDVDLVRPANKFEMTR VREGEKEADLPVWKHHL/SV*R KRELSGSVEPLGNQVFEIETKRE NS*EL**KSLKDERKEAYRQIVE MSTEPQDVDLVRPANKFEMTR VREGEKEADLPVWKHLLCDE SGNYPALLNHWETRFLRSKPN VKIHRSSDKSPTYFVFISQYDL PAFYYPINGHFLVERVVKVRIVFI EEFADHHHLAIFQFNNRLQRHA FVVTLANVTNQPFSSVVVVNL
14860	45228	B	14947	1	3099	
14861	45229	A	14948	1174	1545	
14862	45230	A	14949	1	945	
14863	45231	A	14950	62	576	
14864	45232	A	14951	1	1642	MLANIGFYNSNVIHRSKGAIGE GPPDPRGIVEQNLGGDISIPCYN GPRPRRSAQKTTLGPLNQPRIPS AQCAGAFPRVAAAGAGGGGG GGSGSGFCLGWRLRRRRQRR RRWRRGEGEGDGDAGHMRPR PAGRAEARRRRRLRGNPPGAR LPNREGNGSGVSWAAEVSGDG RGARTEAARTRRRPGGADNYP GAVPPVQLLTGWCVTAKAPPDI SAISALTAVKHGNCSSLTPLLNP PGSDVIVCAEMDEQWGYVGAK SRQRWLFYAYDSLRTVVAHV FGERTMATLGRMLSLSPFDVV IWMTDGWPLYESRLKGKLHVI SKRYTQRIERHNLNRQHLARL GRKSLSFSKSVELHDKEELAAL FSELKQEKKVDELIAKLVKNR TRIVNESDVFSWVIRREFQELR HPVDEEKARCLEGIGGHTRGLV ASLDMQLEQAQGTRELAQAE LCWNSSEMRTTMSSSGSSTPWP PVSRRRPWTERRLGSVRGDRLR ERSRPAVNRTPRMSRVPSPGAPR GTPSRRWMMKCDWHQMRG LVEEEVG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14865	45233	A	14952	1	1513	MIIALQKESLMSLQAQLDKALQ KEKHYLQTTITKEAYDALSRKS AACQDDLTALEKRTGRDWNP PPFRTQQRGSKSLTAIRPLCLFR KLNHVTSETKSLQQSLTQTQEK KAQLEEEIIAYEERMKKLNTEL RKLRGFHQESELEVILYEEEMG NHNENTGEKLHLAQEQLALAG DKITSLERSLNLYRDKYQSSLS NIELLECQVKMLQGELGGIMG QLSKTSSDLSKM/RCY/TTW*M WTKLQFIHSILTSVIFHLLSFSSM GSI*KWIMALSGSSFLDDAHYIS QFGPRQLPSVCAEPEKEKATDG VVRNGKSTAGHQRYLCSHCRK TWQLQFTYTASQPAGQ*RHRL RG\MDEQWGYVGAKSQRWLF YAYDSLRTTVVAHHREQSGIK CKLEEDLQEATKLEDKREQLK KSKEHEKLMEGELEALRQEFK KKDKTLKENSRLKEENENLR AELQCCSTQLESSLNKYNTSQQ VIQDLNKSPMEIRFQLYIFTPDQ
14866	45234	A	14953	125	363	INVSVWSQFPFGG*QPEKGLKE HPADARPGSC\PPAGRPVQGRA EVASAAPPRGSSPAAAPGQSH PSCLRAPLYWSFSR
14867	45235	A	14954	306	583	TCSTRRRKNDLSVKYVSVWSQ FPFGG*QPEKGLKEHPADARPG SC\PPAGRPVQGRAEVASAAPP RGSSPAAAPGQSHPPSCLRAPL YWSFSS
14868	45236	A	14955	225	407	LRGMVTFSPFSSILNGQFEPNSG CPL/CPVCWVCLREPGDPEKLG EFLQKDNISVHYFCLVS
14869	45237	A	14956	484	722	NTCRCGHNRSPVNSRRGGRLS IPRMPDAGSCS/PPAGRPSAGPG RRSPPLLPRGSSPAAAPGQSH PSSSQGAHVLEL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14870	45238	A	14957	434	1790	GNFFRKTISACIISVLSYLVSCLR GASPTASMDFCLKTSKREAAR ASRKICFVCKKKGAAINCQKDQ CLRNHFLPCGQERGLPFTIFWR VQIL*QTSP/EHRTSNMGHVGE ESCILCCEDLSPTECLRTFQSPC CSQAIYHRKCIQ/TNMPTHQSK HFFKCPQCNNRKEFPQEM/REN GNSYSRQRCCLGTRARGFLRLI SALSAL*CPHLVCMNKAETALR MKGGGASFCVLHADPTEPTGT APLLDLTVRNGSVRSVHL/PAA TDYIPENSGDIPCCSSTFHPEEHF CRDNTLEENPGLSWTDWPEPSL LEKPESSRGRRS/VLLEVQGCQ NH*QLQKIQVTPSE*LLVPHNR V*TCAPPSGLGREHSGTVRQGS RASSETMS/LSKEKSQWSMRRE QSRCQQGNAFMATRVPLLSPLL LPPRILPP*SCFHMPLLTSPMFV VMQIKVFSPKKKKK
14871	45239	A	14958	146	484	
14872	45240	A	14959	228	353	
14873	45241	A	14960	214	722	TARELPGRVLKEMYIQQK*EGA ALGRPTRPGRQGQVRRAECR RLFRGVLRPCNRC
14874	45242	B	14961	1	951	
14875	45243	A	14962	241	517	QSCGQRLPTVLR/PLRTPWILPM YPQPLPAGGPTPCLRSRPYINITI LKGDKGDPGPMGLPGYMGRE GPQGEPP*GSKGDKGEMGRP RRPVP
14876	45244	A	14963	748	1055	DRKQTSPGDAYHTIPGSLSSSSD HVLSEPD*GEGSHL**SVQHDD VPPTA**RLQYRAVVLFTATL PAILIM*GMRCPLVPRNCSRTW TAQIRAYIEVQQT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14877	45245	A	14964	1	832	MPHVCAQRRLPVA AVLPPDGA QNCILLAGLSAGTFCHHGGVHI LLSNPVATSL LVAIDRVGQIIPP PPPPALPYDCCCPPPSRHTEDRE HVPIPLHWKLMVNRWFLPVPT EWIATLSNSSRSSRTCSMQGLSF LDSQVHLKAMIEDLRGNVSKE SPCLADNADVGQFPMEGGQKD PKQRIIPFCQGVTNLSGPHGPGA VCGGSHYQKQESSEISLSVGQV WTSSRRMSQVGGSSHCRGARL GPCNVPRRPDGVQDEFSLQPEE DAG*QTSVDPMVLEQYVVVA/ NYQKQESSEISLSVGQ/VVDIIE KNESGWVWFV/STAEQGWVPA TCLEGQMGC RMSFLCSLKKML DWIQRVSL
14878	45246	A	14965	1	346	
14879	45247	A	14966	157	413	ALVCS/SSLAIREMQIKTTMRYH LTPVRMAIIKKSGNNRCWRGC GEIGTLLHCWLDCKLVQPLWK SVW*FLRNLELEIPFDPAIPLL
14880	45248	A	14967	1930	5781	RAKSPANIIMTGSNSHITILTN VNLNSPIKRHLASWIKSQDP SVCCIQETHLMCRDTHRLKIKG WRKIYQANGKQKKAGVAILVS DKTDFKPTKIKRDKEGHYMMV KGSIQQEELTILNMYAPNTGAP RFIKQVLSDLQRDLDSHTLIMG DFNTPLSTLDRSTRQKVNKDTQ ELNSALHQADLIDIYRTLHPKST EYTFFSAPHHSYSKIDHILGSEA LLSKCKRTEITNYLS D HSAIKL ELRIKNLTQSR
14881	45249	A	14968	1	2235	
14882	45250	A	14969	1	2148	
14883	45251	A	14970	1	1821	
14884	45252	A	14971	1	1248	
14885	45253	B	14972	4	2121	
14886	45254	A	14973	1	1137	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14887	45255	A	14974	1	1240	MNIDAKILNKILANRIQQHIKKL IHHDQVGFIPGMQGWFNICKSI NVIQHINRAKDKNHMISIDAEK AFDKIQQPFMLKTLNKLIGDGM YFKIIRAIYDKPTANIILNGQKLE AFPLKTGTRQGCPLSPLLFIVL EVLARAIRQEKEIKGIQLGKKE VKLSLFADDMIVYLENPIVSAQ NLLKLISNFSKVSQYKINVQKS QAFLYTNNRQTESQIMSELPFTI ASKRLKYLGIQLTRDVKDLFKE NYKPLLKEIKEDTNKWKNIPCS WVGRINIMKMAILPKVIYRFNA IPIKLPMPPFFTELEKTTLKFIWNE KRARIAKSIPSQKNKAGGITLPD FKLYYKATVTKTAWYWYQNR DIDQWNRTEPSEITPHIYNLIF DKPEKNKQIQKAFILHKEPWW MWNMGNTNR
14888	45256	A	14975	1	2241	
14889	45257	A	14976	1	2802	MYGTGYRDVAGKWIDPDSK REFLDVTQEGIQGCDFSGTCRQ TLSILTQPLRQWGLEGIKKPNS WIIEESVSNGGPPLIPQTAS GVDLQQTPTDLQLRVLTVRRK TNKQKGIASTSTKRTSTPKPHL YVTIHKDQSYIKPQRWGKNIAE KLKILKIRVALSLQRNAAPHQQ WNKAGRRMSLMSSQKKASEVI ESQMNEIKGEEKFREKRVKRNE QSLQEIWVYVSRPDLRLIGVPD SDGENGTRLENTLQDI
14890	45258	A	14977	1	2739	
14891	45259	A	14978	1	2478	
14892	45260	A	14979	590	727	
14893	45261	A	14980	1	3255	
14894	45262	A	14981	1	3810	
14895	45263	B	14982	1	3127	
14896	45264	A	14983	1	3325	
14897	45265	B	14984	1	1734	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14898	45266	A	14985	1	2067	MELKTKARELREECRSLRSRCD QLEERVSAEMEDEMNMKREG KFREKRIKRNEQSLQEIWVYVK RPNLHLIGVPETDGENGTKLEN TLQDIIQENFPNLARQANVQIQE IQRTPQRYSSRRATPRHIVRFT KVEMKEKMLRAAREKEIQTTIR EYYKHLHANKLENLEEMDKFL DTYTLPRLNQEKVESLNRPTG AEIVAIIN/SLPTKKSPGPDGFTA EFYQRG\ILPNSFYEASILIPKLG RDTAKKENFRPISLMNIDAKILN KILAKRIQQHIKKLIHHDQVGFI PGMQGWFNIRKSINVIQHVNR KDKNHMIISIDEEKAFDKIQQPF MLKTLNKLIGDGMFYIIRAIYD KPTAHILNGKKLEAFPLKTGM RQGCPLSPLLFNIVFKVLARAIR QEKEIKGIQLGKEEFKLSLFADD MIVYLENPIVSAQNLLKLISNFS KVSGYKINVQKSQTFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFKENYKPLLKEIK EDTNKWKNIPCSWVGRINIVK MAILPKVIYRFNAIPIKVPMTFF TELEKTTLKFIWNQKRACIAKSI LSQKNKAGGITLPDFKLYYKAT VTKTAWYWYQNRDIDQWNRT EPSEITPHIYNYLIFDKPEKNKQ WGKDSL FNKWCWENWLAICR KLKLDPFLTPYTKINSRWIKD
14899	45267	A	14986	1	1293	
14900	45268	A	14987	1	3229	
14901	45269	A	14988	1	3352	
14902	45270	A	14989	1	1419	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14903	45271	A	14990	1	1716	MKAEIKMFFETNENKDTTYQN LWDTFKAVCRGKFIALNAHNR KQERSKIDTLTSQLKELEKQEQ TYSKASRRQEITKIRAELEKET QKTLQKINESRSWFFERINKIDR PLARLIKKKRQKNQMDTIKND KGDITTDPTIEIQTTVREYYKHL YTNKLENLEEMDKFLDTYTLPR LNQEEVESLNRPTGAEIVAIINS LPTKKSPGPDGFTAIFYQRYKE ELPGRDTTKEENFRPISLMNIDA KILNKILANQIQHHKIIHHDQ VGFIPGMQGWFNIRKSINVIQHI NRAKDKNHMIMSIDAFAFDKI QQPFMLKTLNKLVLVLARAIR REKEIKGIQLGKEEVKLSLFAD HMIVYLENPVSAQNLLKLISNF SKVSGYKINVQKSQAFLYTNNR QTESQIMSELPFTIASKRIKYLGI QLTRDVKDLFRENYKPLLKEIK EDTNKWKNIPCSWVGRINIVKV AILPKVIYSFNAIPKIPMPFFTEL EKTTLKFIWNQKRARIAKSILSQ KNKAGAITLPDFKLYYKPTVTK TAWYSYQNRDIDQWNRTEPSE ITPHIYNYLIF
14904	45272	A	14991	1	702	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14905	45273	A	14992	473	2385	HSFLSFIVLMYLTMDLTRSQKH GWASSPSHGTSPWPVRLRTSLA KPCKWQVSLCWWLSASPGSSF SLVRSSLLIIVPHAESVSRPSSL SRVGLFPARY*HRVWQRSPSPQ TRDHLIKRNPSQDV*RRQQPRG TRVSN\KCSLHTSALGIGRQPSC DATL*GQQGLP/VK*KRQQPAP/ MSQQQTGAALEVLARAIRQEK EIKGIQLGKEEVKLSLFADDMI VYLENPTVSAQNLLKLISNFSK VSGYKINVQKSQAFLYTNNRQ TESQIMSELPFTIASKRITYLGIQ LTRDAKDLFKENYKPLLKEIKE DTNKWKNIPCSWVGRINIVKM AILPKEPGWARSLVFGARGLQG QGRCGQSRGGGSGCLGGGGST ENWQHREPSARKTGSTENRRH REPAAPRTGSTENQHREPAAPR TGTENRHREPSARKTGSTENRR HREPAAPRTGSTENQHREPAAP RTGTENRHQEPAPRTGGTENR QHREPAAPRTGTENRQHREPAP RTGTENRQHREPAPRTGTEN RQHRESAAPRTGTENRHQEP APRTGTENRHREPSAPRTVGTE NRRHRELVAPRTGGTENRPREP PAGTRPRHTPMRGGSEGALFH QRRFLEPTPDREQLEGIRYPPVA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14906	45274	A	14993	687	2274	LRDCKRINQHPVKTDQSAFCK M/API/MQDVVLEVLARAIQEK EIKGIQLGKEEVKLSLFADDMI VYLENPIVSAQNLLKLISNFSKV SGYKINAQKSQAFLYTNNRQTE SQIMSELPFTIASKRIKYLGIQLT RDVKDLFKENYKPLLKEITEDT NKWKNIPCSWVGRINIVKMAIL PKVIYRFNAIPIKLPMTFTELE KTTLKFIWNQKRARMASILSQ KNKAGGITLPDFKLYYKATVT KTAWYWYQNRDQVQWNRTEP SEITPHIYNYLIFDKPDKNKQW GKDSL FNK WG WENWLAICRKL KLDPFLTPYTRINSR WIKDLNV RPKTIKLEENLDITIQDIGMGK DFMSKTPKAMATKAKIDKWDL IKLSFCIAKET TIRVNRQPTKW EKIFATYSPDKGLISRIYNELKQI YKKKTNNPIKKWAKDMNRHFS KEDIYAAKKHMKRCSSSLAIRE IQIKTTMRYHLTPVRMAIIKKSG NN/R/CF*WQKPGPSG*ALRSWK EDIAGTSYVGMNQCQMRKNTK TLI
14907	45275	A	14994	1	3189	
14908	45276	A	14995	1	3351	MGKKQNRKTGNSKMQSASPPP KERSSSPATDQSWMENDFDEL REEGFRRSNYSELREDIQTGK EVENFEKNLEECITRITNTEKCL KELMELKTKARELREECRLRS RCDQLEERVVSAMEDEMNMK QEGKIKRDKEGHYIMVKGSIQQ EELTILNIYAPNTGAPRFIKQVL SDLQRDLDSHTLIMGDFNTSL TLDRSMRQKVNKDTQELNSSL HQADLIDIYRTLHPKSIEYTFFS APHHTYSKIDHIVGS
14909	45277	A	14996	1	3192	
14910	45278	A	14997	1	2742	
14911	45279	B	14998	1	2313	
14912	45280	A	14999	1	1542	
14913	45281	A	15000	1	3300	
14914	45282	A	15001	1	1824	
14915	45283	A	15002	1	2982	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14916	45284	A	15003	1	2375	MSGFLISPKHKHGTNSGIVSWA DVQSQLRHIEAAFDQEAAVL MARLGVFRAESEEGPDVLRWL DRQLIRLHSLTTLDIVPAGKGE VVKGPMSISQQAQKGCQKFGQY NKEDPTSFRLSDFSFLYPQFMF HLRRSPFLQVFNNSPDESSYYR HHFARQDLTQSLIMIPILYSYS FHGPPEPVLLDSSSILADRILLM DTFFQIVIYLGETIAQWRKAGY QDMPEYENFKHLLQAPLDDAQ EILQARFPMPIRYINTEHGSQK KREKNQIDAIKNDKGDITTEPTE IQTIREYYKHLIYANKLESLEE MNKFLDTYTLPRLNQEEVESLN RQITGSEIEAIINSLPTKKSPGPD RFTAKFYQRTNDQKHMIISIDA EKAQDKIQPFMLKTLNKLKID GTYFKIIRAIYDKPTANIILNGQ KLEAFPLKTGTRQGCPLSLLF NIMLEVLAIRAIRQEKEIKGIQFG KEEVKLSLFADDMIVYLENPIV LAQNLLKLISNFSKVSGYKINV QKSQAFLYTSNRQTESQIMSEL PFTIASKRIKYLGIQLTRDVKDL FKENYKPLLNEIKEDTNKWKNI PCSWVGRINIVKMAILPKVIYRF NAIPIKLSMTFFTELEKTTLEFI WNQKRARITKSILSQKNKAEGI TLPDFKLQYKATVTKTAWYSY QNRDIDQWNRTEPSEIVPCIYN YLIFDKPDKNKKWGKDSL FNK
14917	45285	A	15004	1	1428	
14918	45286	A	15005	2	1975	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14919	45287	A	15006	1	3891	MKPEIKMFFETNENKDDTTYQNL WDTFKAVCRGKFIALNAHKRK QERSKINTLTSQFKELEKQEQT NSKASRRQEITKIRAELEIETQ KPLQKINESRSWFFKINKIDRP LARLIKKKREKNQIDAINDKG DITTDPTIEIQTIREYYKHLNAN KLENLEEMDKFLDMYTLPRLN QEEVESLNRPTGSEIEAINSLP TKKSPGPDGFTAIFYQRYKEEL VSFLKLFQSIKKEGILLNLFYE DSILKPKPGRDITTKENFRPISL MNIDAKILIKILANRIQQHIKKLI HHDQVGFIQGMQGWFNIRKSIN VIQHINRTKDKNHMISIDAIEKA FDKIQQPFMLKTLNKLGIHGT LKIIRAIYDKPTANIILNGQKLL AFPLKTGTRQGCPLSPLVFNIVL EVLAWAIRQEKEIKGIQLGKEE VKLSLFADDMTVYLENPIISAQ NLLKLISNFSKVSQYKINVQKS QAFLYTNNGQTESLIMSELPFTI ASKRIKYLGIQLTRDVKDLFKE NYKPLLNEIKEDTNKWKNIPCS WVGRINIVKMAILPKVIYRFNAI PIKLPMFTFTDLEKTTLNFIWNQ KRARITKSILSQKNKAGGITLPD FKLYYTATVTKTAWYWYQNS MVLVPKQRYRSMEQNRALRN NAACLQLSDL
14920	45288	A	15007	1	4215	MHSCLPDATGEGELYNSLGSLSL WSFLSMIGVLLWVDFSGDSIDL CSPLWNRTNLEALQKKLELEL DEQQRKRLEAFLTQKQKVDEL KDDDFEKISELGAGNGGVVFK VSHKPSGLVMARKLIHLEIKPAI RNQIIRELQVLHECNISPIYVGFY GAFYSDGEISICMEHMLVLLQER PCPGFLWMENSDYGLLLPLDLL LCLSFSSKVLSDLVSDILIHGM KARNRSIHGDVVVVELLPKNE WKGRTVALCENDC
14921	45289	A	15008	1	2823	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14922	45290	A	15009	1	3253	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQGDLIDIYRTLH PKSTEYTFFSAPHHTYSKIDHIV GSKALLSKWKRTEIITNYLSDH SAIKLELRIKNLTQSRSTTWKLN NLLNDYWVHNEMKAEIKMFF ETNENKDTTYQNLWDAFKAVC RGKFIALNAHKRKQERSKIDTL TSQLKELEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWFFERINKIDRPLARLIKKKRE KNQIDTIKNDK
14923	45291	A	15010	1	2816	MEDEMNMKREGKFKREKRIKR NEQSLQEIWDYVKRPNLHLIGV PESDVENGTKLENTLQDIIQENF PNLARQANVQIQEIQRTPQRY SRRATPRHIIVRFTKVEMKEKM LRAAREKGHCNSGKSHRSLWE QNKGIFTTCICDDAEDLQSPSTA GPWFGVLYTKGGPYPQEDIFSE EVHTGPKLRKKIQEYQLTSKWS KSDVQVSVERRMAGGNPNQCH IGEVLDDGFTAIFYRRYKEELV PFLKLFQSIEKEG
14924	45292	A	15011	1	3347	MGDFNIPLSTLDRSTRQKVNKD TQELNSALHQADLIDSYRTLHP KSTEYTFFSAPHHTYSKIDHILG SKALLSKCKRTEIITNYLSDHSA IKLELRIKNLTQNCSTTWKLNN LLLNDYWVHNEMKAEIKMFFE TNENKDTTYHNLWDAFKAVCR GKFIALNAHKRKQERSKIDTLT SQLKELEKQEQTHSKASRRQE ITKIRAELEIETQKTLQKINESR SWVFERINKIDRPLARLTKKKS EKNQIDAIAKNDK
14925	45293	A	15012	1	3855	MGKKQNRKTGNSKTQSASPPP KERSSSPATEQSWMENDFDEL EEGFRSNYSELWEDIQTKGKE VENFEKNLEECITRITNTEKCLK ELMELKTKARELHEECRSLRSR CDQLEERVSAEMEDEMNMKRE GKFREKRIKRNEQSLQEIWDYV KRPNRLIGVPESDVENGTKLE NTLQDIIQENFPNLARQANVQI QEIQRMPQRYSSRRATPRHIIVR FTKVEMKEKMLRAARQKAPH HTYSKIDHIVGSKAL
14926	45294	A	15013	1	2559	
14927	45295	A	15014	1	2956	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14928	45296	A	15015	1	1853	MGRNQSRKAENSKNQSSASSPP KDCSSSPAMEQSWTENDFDELT EVGFRRSVITNFSELKEHVETNL KEAKHLEKRLDKWLTRIKSVE KILNDLMELKTMAQELHDTCT SFNSQFNQVEERVSVIEDQINE MNIDGTYLKIIRAIYDKPPRNII LNQQKLEAFPLKTGTRQGCP PLLFNIVLEVLAIRQEKEIKGI QLGKEEVKLSLFADDMIVYLEN PIVSAQNLLKLISNFSKVSGYKI NVQKSQAFLYTNNRQTESQIMS ELPFTIASKRIKYLGIQLTRDVK DLFKENYKPLLKEIKEDTNKW KNIPCSWVGRINIVKMAILPKVI YRFNAIPIKLPMFTFFTELEKTTL KFIWNQKRARIAKSILSQKNKS GGITLPDFKLYYKATVTKTA/W L/YHTPLSCLPP*WNRTEPSEIIP HIMAVAQIQQVKLLLLQGQHA SSRLQPTSSTKCGGWTASSASP RSMGLSSWKGNLASAIHYFPCK PLTLPSRISTSSSSWGCRQAHAV LEVLRWPPGLGWPGWHHLTLL HVPPVRITKSNGPRACTRASAS HARHHQYNQEPSLSPLHSPLPP PEQVLVSTAERTEDRSYHRTL RHSPYFKNEAADLRGEGYSS
14929	45297	B	15016	1	3276	
14930	45298	A	15017	1	2274	
14931	45299	B	15018	440	3383	
14932	45300	A	15019	1	2646	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14933	45301	A	15020	1	2229	MGKKQNRKTGNSKTQSASPPP KERSSSPATEQSWMENDFDELR EEGFRRSNYSELREDIQTGKE VQNFKNLEECITRITNTEKCLK ELMELKTKARELREECRSLRSR CDQLEERVVSAMEDEMNMKRE GKFREKRIKRNEQSLQEIWDYV KRPNLRLIGVPESDVENGTKLE NTLQDIIQENFPNLARQANVQI QEIQRTPQRYSSRRATPRHIVR FTKVEMKEKMLRAAREKEIQT TIREYYKHL YANKLENLEEMD TFLDTYTL PRLNQEEVESLNRPI TGSEIVAIHNSLPTKKSPGPDGFT AEFYQRYKEELVPFLKLQFSIE KEGILPNSFYEASIIIPKPGRDT TKKENFRPISLMNIDAKILNKIL ANRIQQHIKKLIHHDQVGFIPG MQGWFNIRKSINVIQHINRAKD KNHMIISIDAEKAFDKIQPFML KTLNKLIGDGT YFKIIRAIYDKP TANIILNGQKLEAFPLKTGTRO GCPLSPLLFNIVLEV LARAIQRE KEIKGIQLGKEEVKLSLFADDM IVYLENPIVSAQNLLKLISNFSK VSGYKINVQKSQAFLYTNNRQ TESQIMGELPFTIASKRIKYLGIQ LIRDVKDLFKENYKPLLKEIKE DTNKWKNIPCSWVGRINIVKM AILPKIGKTTLKFIWNKKSRIAK SILSQKN/KAGGITLLTQLYYKA TVTKTAWYWYQNRDIDQWNR
14934	45302	A	15021	1	960	
14935	45303	A	15022	1	2928	MEDEMNMKQEEKFREKRIKR NEQTLQEIWDYVKRPNLHLIGV PESDGENGT KLENTLQDIIQENF PNLARQANVQIQEIQRMPQRY SRRATPRHIVRFTKVEMKEKM LRAAREKDRSMRQKVNKDTQE LNSALHQADLIDIYRTLHPKSTE YTFFSAPHHTYTKIDHILGSKAL LRKCKRTEITNYLSHSAIKLE LRIKNLTQNRSTTWKLNLLLN DYWVHNKMKAEIKMFFETNEN KDDTYQNLWDAF
14936	45304	A	15023	1	1782	
14937	45305	A	15024	1	4881	
14938	45306	B	15025	1	5962	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14939	45307	A	15026	1	2053	MKAEIKMFFETNKNKDDTTYQN LWDAFKAVCRGKFIALNAHKR KQERSKIDTLTSQLEKEKQEQ THSKASRRQEITKIRAELEIET QKTLQKINESRSWFFERINKIDR PLARLLKKKREKNQIDAINKNDK GDITDPTEIQTIREYYKHLIA NKLENLEEMDKFLDTYTLPRLN QEEVESLNRPIGTAEIVAIINSLP TKK\SPGPDGFTAELYQRYKEG AVLEVLAIRAEKEIKGIQLG KEEVKLSLFAGDMIVYLENPIV SAQNLLKLISNFSKVSQYKINV QKSQAFLYTNNRQTESQIMSEL PFTIASKRIKYLGIQLTRDVKDL FKENYKPLLNEIKEDTNKWKNI PCSWVGRINIVKMAILPKVIYGF NAPIKLPMFTFFTELEK\TT*KFI WNQKRARIAK*ILSQKNKAGGI TLPDFKLYYKATVTKTAWYW YQNRDIDQWSRTEPSEIMPHIY NYLIFDKPDKNKKWGKDSLFN KWCRENLWLAICRKLKLDPFLTP YTKINSRWIKDLNVRPKTITTE EKLSTIQDIGMGKDSMSKTPK AMATNVKIQKWDLIKLSFCT AKETTIRVNRQPTTWEKIFATY SSDKGLISRIYNELKQIYKKKTN NPIKKWVKDMNRHFSKEDIYA AKKHMKKCSPSLAIREMQIKTT MRYHLTPVRMAIHKSGNNRC
14940	45308	A	15027	3	3229	
14941	45309	A	15028	1	3907	MGDFNTPLSTLDRATRQKVNK DTQELNSALHQADLIDYRTLH PKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTEITNYLSDHS AIKLELRIKNLTQNRSITWKLSN LLNDYWVHNEMKADIKMFFE TNENKDDTYQNLWDTFKAVCR GKFLALNAHKKKQERSKIDTLT SQLKELEKQEQTHSKASRRQEI TKIGAELEIETQKTLQKINESR SWFFERINKIDKPLARLIKKKRE KNQIDAINKNDK
14942	45310	A	15029	1	4005	
14943	45311	A	15030	287	2708	
14944	45312	A	15031	1	4602	
14945	45313	A	15032	1	4806	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in U/SSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14946	45314	A	15033	965	5928	TWKGTTSTSRCKIMPKYRSTRQ KVNKDTQELNSALHQADLIDIY RTLHTKSTEY/TFFSAPHHTYSK IDHIVGSKALLSKCKRTEIITNY LSDHSAIKLELRIKLNQSRSTT WKLNNLLNDYWVHNEMKAE IKMFFETNENKDTTYQNLWDA FKAVCRGKFIALNAHKRKQERS KIDTLTSQLEKEKQEQTTHSKA SRRQEITKIRAELEIETQKTLQ KINESRSWFFERINKIDRPLARLI KKKREENQID
14947	45315	A	15034	383	8708	
14948	45316	A	15035	2	3257	WRKIYQANGKQKKAGVAILV/S DKTDFKPTKIKRDKEGHYIMVK GSIQQEELTILNIYAPNTGAPRFI KQVLSDLQRDLDSHTLIMGDFN TPLSTLDRMLRQKVNKDTQEL NSALHQVDLIDIYRTLHPKSTE YTFFSAPHHTYSKIDHILGSKAL LSKCKRTEIITNYLSDHSAIKLE LRIKNTQSRSTTWKLNNLLN DYWVHNEMKAEIKMFFETNEN KDTTYQNLWDAFKAVCRGKFI ALNAYKRKQERS
14949	45317	A	15036	1	3508	MELKTKARELREECRSLRSPCN QLEERVSAMEDEMNMKREG KFRDKRIKRNEQSLQEIWDFVK RPNLRLIGVPESDGENGTKLEN TLQDIIQENFPNLARQANIQIEI QRTTPQRYSSRRATPRHIVRFTK VEMKEKMLRAAREKAPHHTYS KIDHILGSKVLLSKCKRTEIITN YLSHSAIKLELRIKNTQNHST TWKLNSLLNDYWVHNEMKA EIKMFFETNENKDTTYQNLWD TFKAVCRGKFIALN
14950	45318	B	15037	1	4760	
14951	45319	A	15038	1	3110	
14952	45320	A	15039	1	5546	MELKTKARELREECRSLRSRRN QLEERVSAMEDEMNMKREG KFREKRIKRNEQSLQEIWDFVK RPNLRLIGVPESDAENGTKLEN TLQDIIQEDFPNLARQANVQIQE IQRTTPQRYSSRRATPRHIVRFT KVEMKQKMLRAAREKDFKPT KIKRDKEGHYIMVKGSIQQEEL TILNIYAPNTGAPRFIKQVLSDL QRDLDSHTLIMGDFNTPLSTLD RSTRQKVNKDTQELNSALHQA DLIDIYRTLHPKSTE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14953	45321	B	15040	1	4534	
14954	45322	B	15041	1	1826	
14955	45323	B	15042	1	1626	
14956	45324	A	15043	248	1212	NSKHYSRGQKKKLPTLPRAAN SRWRSCLKI/GFTVSFDETLKPFV RDVSGSRLKDLPKPNKSDDETR ANDAVNRYKLLKKDARTIAAQ QVARLESAMCLRRRWLENFQ LFLVEHPLVRHLTRRLIWGVYS AENQLLACFRVAEDNSSSTADD DLFTLPEGDISIGTPHVLEISPTD AAALLFADYELLPPFRQLDRNS YALTEAERNASELTRWAGRKC PSGRVMGLANKGWIKGEPQDG GWIGWMIKPLGRWSLIMEIDEG FAVGMSPAELSAEQLLSKLWL WEGKAERYGWGSNSTQEAQFS VIDAITASELINDIEALFE
14957	45325	A	15044	1	1788	
14958	45326	A	15045	1	3048	
14959	45327	A	15046	1	3546	
14960	45328	A	15047	969	1205	SPVRCCISAVHRTYHRRTSALL RLAELHRLLEKCASRQWMYEN I*SPFRQIA*CLPYSDHKNQRLH GLDSIFLARLLW
14961	45329	A	15048	877	1248	WPLTVPYCGVGYAS*A*VADN HRAVGYSRWAGRKCPSGRV MG/LANKGWIKGEPQDGGWI/G WMIKPLGRWSLIMEI/DEGFAV GMSPAELSAEQ/LLSKLWLWEG KAERYG/WGSNSTQEAQFSVID
14962	45330	A	15049	854	1313	DHGVASAATCVYTNEGHRQSY VRVCEYASRTRVSHHCSV*RVL RCEAIRIVSPDRSC*RDPEFSYL ALPENYNRLFLPNSTNQTNNRI KTLNSIAIGKLLAAGGVYNGNI EGFRDTAEKLDGRTIDGYDQIL NEKTAVIAKATA\SILLTKRS
14963	45331	A	15050	1010	1396	KPFGKLTyKLFEGHAWLVKAE KVRVGYRILGRLTYPDIRFPAL PFGLVL*KGAHFTVPRIWAGHA C*LMPMALPMFRWKVTGLLFIP ICLVKPSFLTTHIAIRRISTSTN CRKTPKQPSRWCKPR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14964	45332	A	15051	361	837	DGQQIALHRLALRELQQAVH AGLPQQA KILFDGGSEIGKIPSEI YFCQLVKLILCPVLFPCWRRVA ILWRRRDVLFSGSFSFSALVSPH LCG/SYLPFVFDVGDRL*LSVG WS\KEIW PCK*GFGHLSVLNT PMKSLVEGFKHFPLAGFGYEYL SFFCR
14965	45333	A	15052	1563	1652	
14966	45334	A	15053	2756	2995	AMRSAHRCTVFSALLNCWQITP HLTPSVMICGQLLTLVNRC*PSS TIFSIPLSKQVARMFRSAMSPL NRARCWKVPCN
14967	45335	A	15054	762	2184	WRAVPSEPISFILKADTEKYVY L*NSSSAQYSGSCTRAYYLDLTDQ HPTPRLCLIF\GGKDSGLMLHLT AELARQMGGKICVLFIDWEAQ FSCTINYVQSLRELYTDVIEEFY WDALPLTTQNSLSQYQPEWQC WEPDVEWVRQPPQDAITDPDF CFYQPGMTFEQFVREFAEWFSQ KRPAAMMIGIRADESYNRFVAI ASLNKQRFADDPWTAAAPGG HSWYIYPIYDWKVADIWTWYA NHQSLCNPLYNLMYQAGVPLR HMRICEPFGPEQRQGLWLYHVI EPDRWAAIGSPADREEDAE EYL EAIMEARVTVAGMGLVMEVQ DYFDGEADRLAKAWLA EYTPQ IKSLKDERKEAYRQIVEMSTEP QDVDLVRPANKFEMTRVREGE KEADLPVWKHHLLCDESGNYP ALLNHWETKVFEIETKREGFAF WYRNPQYTGQSSLGIAYVEAE QYKIVRPDLFFAEQDGKMOV
14968	45336	A	15055	2069	2586	PWLENLPVGICWSAVKKMGGT RSLVSCL/AVTLVSPQLMNAYL LGQQLPEVWDFGMFSIAKVG YQAQVIPALYL VVPVCSLILAV FLAHALIGPFGRMIGDGVAF AVRHLMTGSFAPIGAALFGFLYAP LVITGVHQTTLAIDLQMIQSIGC TPVLPVNALSNIDLWHISILV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14969	45337	A	15056	356	1205	APASMTFEQFVREFA/VMVFTK RPAAMMIGIRADESYTVLSPSP V*INNVLPTITWTFPQTIYDFLW LIGEAIFF/YLPVGICWSAVKKM GGTRSLVSCL/AVTLVSPQL/MN AYLLGQQLPEVWDFG/VCSLIL/ AVFLAHALIGPFGRMI/GDGVA FAVRHLMTGSA/PIGAALFGFL YAPLVIT/GVHQTTLAIDLLMM QSMGGTPVWPLIALSNIAQGSA VIGIISSRKHNEREIPGEVFPRT GVGKGKSLG*PLH*LQPYRQHL GAGSYSQTLKKQIAESAVRLSIP
14970	45338	B	15057	1	435	
14971	45339	A	15058	2	1785	WLLYRAHVKG/STEALLPNM VATSLAKLPIPKLMRWGATYV HFVRPVHTVTLGLGDKVIPATIL GIQSDRVIRGHRFMGEPEFTIDN ADQYPEILRDSGKVIADYEERK AKIKADAEAAARKIGGNADLSE TLLEEVASLVEWPVVL/TAKF/E EKF/LAISRTALVPYSADNMYQ LVNDVQSYQPFLPGCTGSRILES TPGQMTAAVDVSKAGISKTFTT RNQLTSNQSIMNLVDGPFKKL IGGWKFTPLSQEACRIEFHLD FTNKLIELAFGRVFKELAAANMV QAFTVRAKEVYSASMRYYIVIV YISYRPPNLLDSHIGFSSITTHC AVTSHHYNSCDMTMTIHSYVT PYISVRVSLTQTYAPSPSRNLRI TDLTIYRAISSEKSIDDTRIHTI ESRCRVCGAHDSDAERLDRF AQTADEIRIADRGFSSRPECIRS LAFGEADYIVRVHWRGLRWLT AEGMRFDMMGFLRGLDCALIS KTRLLSENRRKGRVVQAETLE AAGHVLLLTSLPEDEYSAEQVA DCYRLRWQIELAFKRLKSLHL DALRAKEPELAKVGIFANLLAA FLIDDIIQPSLDFPPRSAGSEKKN
14972	45340	A	15059	1	993	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14973	45341	A	15060	1	5621	MSEKTFLVEIGTEELPPKALRSL AESFAANFTAELDNAGLAHGT VQWFAAPRRLALKVANLAEAQ PDREIEKRGPAIAQAFDAEGKPS KAAEGWARGCGITVDQAERLT TDKGEWLLYRAHVKGEGTEA LLPNMVASSVAKLPIPKLMRW GASDVHFVRPVHTVTLLLGDK VIPATILGIQSDRVIRGHRFMGE PEFTIDNADQYPEILRERGVIA DYEERKAKIKADAEEAARKIGA KAWGTNVEFHVQNQP
14974	45342	A	15061	82	732	
14975	45343	A	15062	1	3849	MDLGANGWQTFRYVVLNLS ALLAGGMLAFALSFDEIIVTTFT AEQVDAAVRAADAAFAEWGQ TTPKVRAECLLKLADVIEENGQ VFAELESSNNTAFARASSNGDL PTKADLQAQLDSL NKQKDL SA QDKLVQQLD TDLATL DKIDRI KEETVQLRQKVAEAPKMRQA TAALTALSDVDNDEETRKILST LSLRQLETRVAQALDDLQNAQ NDLASYNSQLVSLQTQPERVQ NAMYNASQQLQQIRSRLDG
14976	45344	A	15063	219	1186	PPKLGRKRGIFLPSHSNPNTNRI CPNCCMNGVSTANTTSKSSLVI CAWTKHALLNAILQPEQLWKS GSRWRINLALPRGYRESLLQPW QAERLTDDKGEWLLY/RAHVK GESTEALLPNMV/ATSLAKLPI KLMRWG/ASDVHFVRPVHTVT LL/LGDKVIPATILGIQSDRVIAA TGKAKIKADAEEAAR/KIGGNA DLSESLLEEV/ASLVEWPVVLN AKFDEK/FLAVPAEALVYTMKG DQ/KYFPVYANDGK/LLPNFI/F/ VANIESKDP/Q/QIISGNEKSFVR LADAEFFF/NTT*KRLFLPHQKL PPSQILHQQTRNYASFCHRRD NWTSA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14977	45345	A	15064	1	1496	SGGCAGLHGGLCSKEPFQASV QQGVAGHACAPAALQVPVCGT LSDCGSRAASLCENPSFISLYGR LVATSLAKLPIPKLMRWGASD VHFVRPVHTVTLL\LGDKVIPAT ILGIQSDRVIRGHRFMGEPEFTI DNADQYPEILRERKGVIADYEE RKAKIKADAEAAARKIGGNAD AKFEKFLAVPAEALVYTMKG DQKYFPVYANDGKLLPNFIFVA NIESKDPQI/DRIQALAGWIAE Q\IGADVNHATRAGLLSKCDLM TNMVFEFTDTQGVMGMHYAR HDGEAEDVAVALNEQYQPRFA GDDLPSNPVACALAIADKMDT LAGIFGIGQHPKGDKDPFALRR AALGVLRIIVEKNLNLDLQTLT EEAVRLYGDKLTNANVVDDVI DFMLGRFRAWYQDEGYTVDTI QAVLARRPTRPADFDDWHALG RAGTGDVVVGVRGLAIVPLT DGLDEAGHSTGVLQGEVPQRL ERAATVPGVTLQPQALQARGL
14978	45346	A	15065	134	384	VTPTGWRKRRIRQWCSDAGCG VNALSGLRFSHSLALFSAAMFI LGVVSGITMSISP*ILSCVRSKNP LLVSGSGPLSCNSTIH
14979	45347	A	15066	1	723	TKSPKIARSRHIPLCHFIFERRPI MTNSNRIKLTWISFLSYALTGA LVIVPGMV MENIADYFNLPVSS MSNTFTFLNAGILISIFLNAWLM EIVPLKTQLRFGFLMVLPVAG LMFSHSLALFSAAMFILGVVSGI TMSIGTFLVTQMYEGRQRGYR LFLAASLFSMAG\MIFPMIAAFL LAPSS*W*WVYACGLAYVTIF IMTFGCEFPALGKHAPKSYAPV EKVKWGILGGASSFRAV
14980	45348	A	15067	422	1045	LLEGKLTNRKQ*HQH*QKARPC KKPIQSAQN/WNREEYDELTEV GRRWVIITNSFELKEHVL TQWK EAKNLDKRLQEGLTRITSLEKKI NDLMVLKNTARELHEAYTSINS RIDQAEERISEIEDQLNEIKLED KIRGKRIK/RQTNKQSL*KMWD YVKRPNLRLIGVPESDEENVTE LENTLQDIIQENFPNLARQANIQ IQEIQTLLR
14981	45349	A	15068	1	1131	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14982	45350	A	15069	383	756	LNPSNKLALINPAASPIIKGVDL TANQI/PCIADIPLYDADVQQE* CFPATVEALGEQIRQADGVVIV TPEYNYSVPGGLKNAIYWLSRL RQILVFLDAMVMNKPEFMGGV IQNKVDPQTGKVIDH
14983	45351	A	15070	343	924	
14984	45352	A	15071	223	308	
14985	45353	A	15072	57	5546	NKMARKKFSGLEISLIVLFVIVT IIAIALIVVLATKTPAVDEISDST STPATRVTNPSDSGKCPNVL NDPVNVRINCIPEQFPTEGICAQ RGCCWRPWNDLIPWCFFVDN HGYNVQDMTTTSIGVEAKLNRI PSPTLFGNDINSVLFTTQNQTPN RFRFKITDPNNRRYEVPHQYVK EFTGPTVSDTLYDVKVAQNPF IQVIRKSNGKTLFDTSIGPLVYS DQYLQISARLPDYYIGIGEQVH KRFRHDL
14986	45354	C	15073	1	1818	
14987	45355	A	15074	493	576	
14988	45356	A	15075	381	498	
14989	45357	A	15076	48	514	LLLFLLLQSYDWSESGKRQSAL HGRQKGLPKSPTAARGGSDPW PSCRHP*GPNRKRKRS/R*PMET APRRPSVSPALTPARPPGLTATP RLHPRPP/RSPNPSANLLRRPTP DT*AHATFGPGRSRHHFPGQLS TE/RRRSAEGGRSRNEASRRE GGE
14990	45358	B	15077	1	1116	
14991	45359	C	15078	249	332	
14992	45360	A	15079	710	1326	RAAGNCFPEPGFVKQLSAAAA VVAPAAAATEGSIPDTGKSPSSI SHWPNPQKNVICKRRGRVEQE QAWKGR*RVVFG*KSMRCP VDLLPQSCLCQRFLHQ/GKWIL TKDYIIHSAKSGRWLDATTYE WGYKIEKDSRYSPQMQSAPKR WREELKRTGAPGAFHRWKVVL LVRTDKRSDSLIRFSDNFGDCDI RMEEKTFRTLME

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
14993	45361	A	15080	602	1257	FGKRGRITITLCILAVGMLCCRK GHTKPRRRPGASPISTHLHSSPPI STHLHTSPPPHRREEAR\SGQ*R QSCGAAAAR*PWWWNC DGWG PKCQRFSKH*DIAQPDEVSWGQ *PWAVGALAGPHPPQASEGPL GCTPASICGSTRKPSKPLSKKPP QAARTSSSRIVFTPISTRPPTQG QPEKAKSATPTNDLEGPSAKVK FVNFLMDETFPEPSFFFI
14994	45362	C	15081	140	175	
14995	45363	A	15082	2295	3089	NLLGYQEINPPLQIFWDKLLAV SERDSSVKEESGDVESDDTML* MLPCP*ETTEFSS*PFRISS*LSS* STAQI\PAETCFAGGWYSIFCPQ RIEQETMCLL*SWQSEVAVSCE SPWP TALHHSHPNRAPP CY/S KSTSSSLSSPLENSG*QNRPPSLL ITSVLPLRITCLP*VSFIPPIMQLG GSFLSNDRL*QSFILPKNVSLEF VSFPLI*GAVSKPAISFNTSVSPL LVSDIFFALSLLP*GLGTWLIPSS SSLLLVRGF
14996	45364	B	15083	143	1727	
14997	45365	B	15084	307	1017	
14998	45366	A	15085	1	959	MSRMGLLGFGERKELPNHPAV SEWPLTLVTGCSSGTVAEGEGN LTTSGLFSIVPLHPDGVAAGQR HSSLPRWGSQAEALLTSQTVDG QAEMLLTPQTMGGQEEMLLTS QTTGEDFITRSTESGTHSKSHKG DEGEPRWMLGWMLWVCDIAE PLVKAKLLDCKHTCCSVCLQQ TRTSQKDVRCPWCSGVTKLPPD FSVSQLLDDPEVLAVITIPHASE HMPVFIRLPGSGCY\SCPCSPRS TRCCPEI*AATCCPGTGRSPSL\C DHPCWTAASARQSGPGGGGGG AGQAGHGEKLVVEGVHCHL GGLRLGLPPQHRAP
14999	45367	B	15086	112	672	
15000	45368	A	15087	2	530	SGRSAALLSARVNRSQSFAVL GSHERGPRSFVPFSPGP RP KPP ALSRVSRMFSVAHPAAKVPQPE RLDL\VYTALKRGP DGLLGAVH QQEQEKLQGGQIRESKRNS/RLG EWREGFLYDL DKQVKSIERFLR RLEFHASKIDELYE\AYCVQ\RR LR\DGALHMG\RAYTTGSPGSR



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15001	45369	A	15088	216	1369	EPVLRRRPRQPRAGAQQFPVFS PPGPPRKPPALSRVSRMFSVAH PAAKVPQPERLDLVYTALKRG L/QAYLEVHQEQ/DKLQGGQIR ESKRNSRLVMAGGVLWTVV*E RGAVTSLASAGVLLIPP KYLPL LPTPAGL\LYDLKQVKSIERFL/ RRLEFHASKVRVQHVCRW\D ELYEAYCVQRRLRDGAYNMV RAYTTGSPGSREARDSLAEATR GHREYTE/DEGWGPMRQRHRS MCLLES/ELEAQLGEFHLRMKG CAVDINDLGTIKLSLEVTGAAS SVNKASTVTKRSPPIARAHRT PHFGNSFLSTRKPNTYTANHRR RPIEQHPDMRTPPPPHRARTNT GRKDKVRAHEGEKATPTRTRG APHGKAQRLRPLYQYVTIATLS
15002	45370	A	15089	1	940	MSYNSKNYVETITMNSVKFG ETTPRNRTHYLSTNEKKIFLSGV FSNAYPAGLSRGWDSWPWGSP WVRHFCYLSSTQLCDQNCILLS SLLPAGPSVCNRLLASAWQKSS SSASSEASETCQSVSECSSPTSD WSKVGSHEQPSGATLQRRKDR VE\PCETQSPGPASGGTLGPSGE EAPRPRMSPATIAAKHGEEVSP AASDLAMVLT\RGMSL*HQKSS RDSLQYSSGYSTQTTTPSCSED IPSQGRPAGLGPTKPVSIESTYL QSPQRLKQEWATEGKIQLPQ IQVVNFQVDSSPSLPLIMVPEH MHVS
15003	45371	B	15090	1	777	
15004	45372	A	15091	26	336	KISPMINVFCSESSPSGERRGA* TPSPQSPPCGPKPSSPPSCSPSR NYFLLFQGLCAEHPALAAPAAS VGTCPSPASGTHAAAPSGPWRG RCVHSGPGGRLW
15005	45373	C	15092	46	423	
15006	45374	A	15093	1773	2219	ELDYLYCSNSSAQCPGALLPSL ALPGPAGSARQAGSPARRLCAP VQPSGRWPAPGGPGFPGSSCPA SPTRQ*LLTSGSGCPRPCHHP PPQ*QSTQAWDWVILGPGAHG PSGQRCERCLPSRPSGPQTHSG VGSEPRAVRGPGVSFV
15007	45375	B	15094	1	7916	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15008	45376	A	15095	16	545	GLPWRQHVRVEECGRS/PLRPC SPGTPSPS*PLPAATRGPATCQS LSGLQPEKTT/SPS/CAAVAHER PPGPVPQCPAQGTGLIF*EGWT QPQQIRQGPHVAHE/CAHDLQ QAAPGPGGAHQG/PSQPG*PDR QPDAERAVVHPGAQ*DAEIQPG LPGEGGPLATRTERSPAQRPS QARG
15009	45377	A	15096	320	1167	MDLKTAVFNPARDGKLRLLTK *\MASKSKEEVSSLISEKTNAT PLLMAARYGHLDMVEFLLEQC SASIEVGGSVNFDGETIEGAPPL WAASAAGHLKVQSLNHHGAS VNNTLTNSTPLRAACFDGHLE IVKYLVEHKADLEVSNRHGHT CLMISCYKGHKEIAQYLLE\KG ADVNRKSVKGNTALHDCAESG SLDIMKMLLMYCAKMEKDG GMTPLLSASVTGHTNIVDFLTH HAQTSKTERINALELLGATLFT QKEISCDESGRTRDLSPRRKPPH
15010	45378	A	15097	187	623	KLKTQKNNIGPQACNSQLASVS TRSPPTLSVPIIMTDDSQASQL LLAAVTIRKLWSRMAPMLALP TGQSGQTGAEGQGKEGERGQS PCWKPRLDPKLC/EPRQPAQLL* ADVCTGP/CGVRGCPADCR LPC LSPSSAQQPKEASRSA
15011	45379	A	15098	789	1041	
15012	45380	A	15099	707	1373	SAWPSCHCCHLDILSR/PGDDA CSVQILVPGLKGDAKEKGDGK APGRPGRVGPTGEKGEKGDG DIGPPGPNGEPGLPCECSQLRK AIGEMDNQVSQLTSELKFIKNA VAGVRETESKIYLLVKEEKPYA DPPLSWQGRGGTSLMAQDEAV HGLKGAYLGQARLGRGFIGIHR PWKRRAPLLF*TLSPRSL*KG DGGGNTQKGSRKREL AQI WGPCIRR
15013	45381	A	15100	79	420	WRRFLFLGVLFGRGYLGCLRSRS VLGRLKVSDMRIFFFACGCGHL STLPSWPLRPSLWLRL*EEQELP SLSVPSGRSASRL*LGWRGF GPSPSPRLTVQFSGGRRAQGPS
15014	45382	A	15101	3	284	
15015	45383	C	15102	83	112	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15016	45384	A	15103	84	303	EEQELPSLSVPSCLWGPCPRAG WLHSLHWPVSHSFSATSTFGM AIWT*SLASGIKPQSSSKVSSRIQ VPPTM
15017	45385	B	15104	112	462	
15018	45386	A	15105	326	1323	DRKAINLQVKLEGAVAL*KP\G EAQLEFGKALGLFQ\STLGHHF VNNKEKILGDF\QEATLQAATK LTRGRSLVMENMEQLLSMRME DQSQRNMPLSVVLIREKAHSPF ENRKQEQGEGASPENFRAR\QG *FLAFKAAPPA*AASGPAAQER SVQEPSVNPAG*IPEGGLHTLA GVHHE*ALAWCSPLNKPRFLW KRLP/SRTFHFVVEDESAPGSKP SGDLLTLLGGNAAGDFK\K\P CLVYPSENPCFLKGSFKPNLPL VWCSHKKA\WVQPG*QSETPFQ KKKKKKKKAWVTMSLFQEW LHFCSTVE/ARCTQYDLPYKGL PILDSTPGHPC
15019	45387	A	15106	3	375	HASAHASGLQQSYQAVKEKSS EALFEMKRDLTFTQVQHD ACTIAATASVVKEKLATEGSSG ATEKMKKGLSDFLGVISDTFAP SPDKT\STAMSSPYDGTARLY SLQSDPATYCNEPDGPP
15020	45388	A	15107	184	377	YCTNNQKVN*TKEITKRKTPSR QKKDSAFSPSHPLTEGLK\WND LTLSVSLTHDGFVWRRGKV
15021	45389	A	15108	3	816	SWEDVGWWRSWLQQSYQAVK EKSSEALFEMKRDLTFTQVQ HDTACTIAATASVVKEKLAIAA CSRGACFLCPFSIQTEGSSGATE KMKKGLSDFLGVISDTFAPSPD KTIDCDVITLMGTPSGPAEPYD GTKARLYSLQSDPATYCNEPDG PPELFDWLSQFCLEKKGEISE LLVGSPSIRALYTKMVPAVSH SE/TFWHR\YFYKVHQLQEQA RRDALKQRA/VSGDSCT*SGVL TNE*KGSWVRDTERVRSPLQT FSEGVGWREC
15022	45390	A	15109	1	281	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15023	45391	A	15110	1	1194	MGFLHLGQAGLEFLTSGSSTDI SEDWEKDFDLDMTTEEVQMAL SKVDASGEPFCFWKGYPPGEL ETLIRLLQKLFFLKTDPAFVLSP STLVKLHLWGNEGLQESLES LHDAALVILVPNLEKKGEISELL VGSPSIRALYTKMVPAAVSHSE FWHRYFYKVHQLQEQARR/A RLKQRAEQSISEEPGWEEEEEE LMGISPISPEAKVPVAKISTFPE GRTLAPQSPCEENLVTSVEPPA EVTPSESSESIPKSPLPTRALGTD
15024	45392	A	15111	213	1031	AGNKPDPWAGRNRTAVLPDVS VFHREDVGWWSWLQSSYQA VKEKSSEALEFMKRDLTFTQV VQHDTVCTIAATASVVKEKLA TEGSSGATEKMKKGLSDFLGI SDTFAPSPDKTI*\RDVITLMGTP SGTAEPYDGTAKARLYSLQADP ATLLY*PDGPPELFDWLSQFC LEKKGEISELLVGSPSIRALYT KMVPAAVSHSEFWHRYFYKVH QLEQEQAP\RDALKQRAEQSIFE EPGWEEEEEEELMGILPIFPKEAK FPLAKISYIP
15025	45393	C	15112	414	557	
15026	45394	A	15113	98	467	
15027	45395	A	15114	1	155	
15028	45396	A	15115	16	94	RCPIASEASWTITD*RCPIASEAS WTITDALGNSYSGGMAF
15029	45397	A	15116	95	115	IIRHLCND*TPREGCLPSP*PAW SDTFETWVNNQASLQ
15030	45398	A	15117	3	282	LKPVITCLLQLGLLKPINSYNS PTLPVQKPDRLPYSKPNSLP*LNP SLLQRNYTSIFLLTLNMPISCT TMLLYGQKEISSLHKGPPSLMP
15031	45399	A	15118	548	1401	SCTPCWHLTGRLWGITA VRQK RHVLSVDPKLRHQSR TGKA AFP WCLIIAGTPL*LYTHVSRVSDH AGMPALVLHPLQQVPLFWGRG NTL*KD*SLLSLAC/VQHGLLKP INSPYNSPILPVVKPKPYKL VQ NLR LINQIVLPIHPVGEAPVPLE TGKSGKDCILWFECHLSHNTI EHQVSSSTFRIVVATGVLVSLH PQLYMAQNRERHA ECLGESKG REQESLSGNPENS RFSLLTSRRY LYKSTRTIVLLGLAGPLKQKKL RSQHPSLYKYLQSF RNKDSYR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15032	45400	A	15119	144	298	WQVPLFWQPFPEPELELWPKA/HLTDSFPDLLGLAAED*RCPIASEAPCTQVI
15033	45401	A	15120	449	667	
15034	45402	A	15121	2	111	
15035	45403	A	15122	323	401	LLLGLAAED*RCWIASEAL*TITDAK
15036	45404	A	15123	2	593	CTLP SH*NLITLTPLNANIPSHGML*KD*SLLSLACYSTAF*GL*TPLTIPPFFYL FKNQTRLTG*FRICPLSTKLFCLSTPWCQTHILSY PQYLPPQPIFLFWISNMLSLLFLCTLYPSLSSLSLGLTLTPIRLSKLPGPYCRKPSQTAPTSNHPSSFSGSWY SVETSYPLSSSIFRKGRDTSWSLKDTPHQAQPPT
15037	45405	A	15124	354	630	
15038	45406	A	15125	29	354	RFLVSLMLPPAVVMLNHCYSLI FTNALVKRLF AWNMLSELATCAGNLATGPRNARSPGFLSCVPSVRDPTGNQTVQLTWQPLPELELWPKA/HLTDSFPDLLGLAAE
15039	45407	C	15126	1	576	
15040	45408	A	15127	377	624	RDQLQCLQLWDAGACYTCWK SATGPRNAHSTVFLLSHVPSVW DPTENRTVHLTWQPLPELELWPKA/HLTDSFPDLLGLAAED
15041	45409	C	15128	1	462	
15042	45410	A	15129	44	340	PCQTTQGRLLTAGTPL*SFTHVSRVSDHAGTPALVLHP*RQVPLFWGRGNHISGTQELPNT*TAV/VQAF/LPEPPPTG/CLLHVPEIWPLGQGMPAGQDSS
15043	45411	A	15130	242	522	RLVWPTATQRAW SQSEAAAKTVDLALSARNSATGPRNACSPGFLLSCAPSVWDFTGNRTVQLTRQPLPELELWPKA/HLTDSFPDLLGLVTED
15044	45412	B	15131	1	1080	
15045	45413	A	15132	1	642	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15046	45414	A	15133	245	1033	TALLLTQSLFGGLFTQTRMKFG AVTRIGGPPLGDQSPVLLFFVPR ERSTYDLGPQTDQPKKHLTNFK STSFVFSSCIPPP*PSSISLLPPW/T TDHAPLTISL/TT*SPLPCSMPI/ ASHSML*KD*SLLSLACYSMAF *SL*TLLTIPPFYLS*NQRRFTG* FRICALSTKLFLCLSTPWCQTHIL SYPQYLPPQSIILFWISNVLSLLF LCTLHPSLSSLSLGLTLTPFRLS KLPGLYCRKASQTAPITSVKPK FLPYLLPISA
15047	45415	B	15134	146	556	
15048	45416	A	15135	1	555	LTSFLHCCLSHHYHGAQIHPRH FLHLICRCHCHQYCHHAYLDPC PQDSHHLHWCWQPLPELELRP KA/HLTDSFPDLLGLAAED*HCP IASEAALPPCFPRPDIMITSRLQL QRRRQTALGVRYRNATYRTRT ASTNSLRPRGSPFPLALVTNDR QVRSQALALWKRDRLLQLSPINR AIESSFT
15049	45417	B	15136	1	555	
15050	45418	B	15137	499	769	
15051	45419	A	15138	752	1111	MQPTIGNSQSISRPTA*MPLAE SHPITQLVGTVTTPRVTPLSIRH PWRCRSANAGAMILTMKQLAI VMRVYQHQRVRRSMRPGRNGA RSGMSAVGAYYSSCIRVMTAL QCTGDDEAVLL
15052	45420	C	15139	1	632	
15053	45421	A	15140	1	375	PGVRGAQGGPSIPRQCEESAIGP KFAWIISSFWKQGMFNMEAP SSLFFVNMCAVKKQTTWGRPD RGFIWQPLPELELWPKA/HLTD SFPDLLGLAAED*HCPIASEAPA LVYTAGLHCFKPSQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15054	45422	A	15141	1	1340	CSEYEDSSPAPVPATDLSSTLSS SVPQPQDTGTSQQLHPLDPWHE LLRAQELQGATNHKGYSHAEH EHAGLGVQGGNGALAFNSNGH RHAVPTISSGTGRRRTPSSSAFG LLNLHQWFVSGFQAFSDRLKA ALSASLLLRFGSDWLPSSSAC KCLMLGLHFVIVGNICATLKEK YSSMLHLDVTMKKNGEKRTRL QKRKKGMPPHPAYEDLNIAAIT LPANVVLHQPSGFRITSGQLDPV WWSLDTDAHEIWCQDPGLGSG DFPWEITPLSSYSLLHEKDPPTT SGPQTDQPKKHLTNFKSKTKET GFIHGPKTPAPVTDWEGSLPLV FNH\SGTPL*LFTHVSRVSDHAG MPALVLHP*RQVPLFWRRGKI* LTSPSRCTIIEKSCNSLPPL*DKP QPHLQHTRTSKCLNRSGQAF/L PEPPPTG/CLLHVPEIWPLGQGM PAARDSS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15055	45423	A	15142	2	2107	IDMIFTGPPSTPKHKKSQKGS FTFPSQQSPRNEPYVARPSTSEI EDQSMMGKFVKVERQVQDMG KKLDFLVDMHMQHMERLQVQ VTEYYPTKGTSSPAEAEKKEDN RYSCLKTIICNYSETGPPEPPYSF HQVTIDKVSPYGFFAHPVNL RGGPSSGKVQATPPSSATTYVE RPTVLPILTLLDSRVSCHSQADL QGPYSDRISPRQRSITRSDTP LSLMSVNHEELERSPSGFSISQD RDDYVFGPNGGSSWMREKRYL AEGETDTDTPFTPSGSMPLSST GDGISDSTVPLFLSSEILQKQVG QSITSMGLFLSRGPSMKLCMGL ACVLSLWNTVSGIKGEAKKEK GMTFLPTTDSKKFFSLLSVTSYS SFAHKFSVAVYNISNLKTVD AKFPTRYCYCLNNRTNDLSDF ALLVDIIGNSTSYLTFEIKSTSIL SVNQSNECDCIFCVMTGKSGR NLSDFWEIEEKYPIINYTFTSGL SGVLALLLTQSLFGGLFTRTRM KFGAVTRIGGPPLGNQSPSSCSL LHEKDPPTTSGPQTDQPKKHLT NFKSAARPTFLGQGGQVPLNPFS FTLS/EQVLLS*AARTPQSLISTP QPLISVPQSLISVPQPLL YFSGG QEPPPPPLLCVSSLFSRLASFTM GAFTHGTQTPSPTKATAPRYPQ TGDLSAEWPFTAGEEPVLVPRP
15056	45424	B	15143	1	930	
15057	45425	B	15144	401	1093	
15058	45426	C	15145	1	843	
15059	45427	A	15146	1	498	
15060	45428	A	15147	112	669	SLQGRLSDYTPTFQGCQTQGC LPWSFTLCSKSRFSGEGETRFKR IKACYHSPATAWPFKAYKLSLQ FPHFTCRKTRQALQVSSAPY QPNCFAYPGRGAEPHSPILNTS LHNPLFCSGSQTCLY/SFLCTL HPSLSSLSLGLTLPIRLSKLPGL YCLKSSQTAPITSVKPKFLPHLL PISA
15061	45429	A	15148	957	1100	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15062	45430	A	15149	303	2028	LGSGDLPWEINPLSSCSLLREKD PPTTSGPQTHQPKEHLTNFKSD KGDMFYPTWTQN/YQCRSRTGK AAFPWCLITAGTPL*LYTHVSR VSDHAGMPALVLP*RVPLF WGRGKLLARPS*VPILPQPLL HPIIFLSPLLTPGPAYSFVL*LA LPHLPSNLLLKRWLEPKA*SSM/ TLKGLKPVITRLLQHGLLKPTN SPYNSPILPVLKPKPYKLVD LRLINQIVLPIHPVLGIIGLTSSV RRDAGQDLKRDRAEFLGDEV HHPHRRRIAEARLLLQGHPDP LHRLIGQVLELGEARYAPPVEQ HHRLAPARRTGQRLHPLEQFG QAGRAQRNRRLGIEHRDRLDRP DDGAGNALAGDGDFFRGCLFA GIGIRPRYCRYRQSQDDRRPSH AAPRPRALPIPHRPATPIADV VMFSVAIMSQRLLVLRHIDGIS RWPPAVVFITDVKIWLVPYSD CRIRSNDRDDMQGEAPAMSMN AAARVGDPIGHSFSQGLFGEAL DGLFFARRSEVDMRAGNLGRLI ARGLSGGRWTPADGQLTLGSR DVFINGPPATMTIRSTGQCRQH
15063	45431	A	15150	653	1076	RSKYPNLVSLCPSPLFPRPDLLS LWPNPLFLHPNLLYLCAPIPYFH APTSYLCTPTPYFHDPTPFPLFW KELATSARNLATRPRNACSPGF LLSCVPSVRDPTGNRTVQLTW QPLPELELWPKA/HLTDSFPDL LGLAAED*CCPIASESP*TS DILGRDTHLLALKVQTVVLQTACGE GHVAGNCGRPLETEGSLQLTAT KKLRDSVLQPKSPEFCQQFTRA WNRTQVPDETEAPAGTYAAQS GDLPEINPLSSCSLLHEKDPPT ASGPQTDQPKEHLTNFKSGFRG VRPRDACLGPSPLAASPAFLG KGQVPQPLLSVSLPLLRLSGGQ ETPNPFSFTLSGKSAFLEEQVPQ PRISVPQSLISTPRPLISVAQSLIS APQPLISLCPNPLFPCPDLLSLHP NPLFPRPNPFAFLEGACYKCQ KSGHQAKECLQPGIPPKLRPICA GPHWKSDCPTHAAATPRAPGT LAQGSLTDSFPDLLGLAAED
15064	45432	C	15151	234	449	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15065	45433	A	15152	2095	2663	LGLGDLPWEINPPSSCSLLREKD PPTTSGPQTYQPKKHLTNFKSA CFERJKACYHSPAKAWPFKAYK LSLQFPHTCLKTRHAI/PS*FSD LCLINQIVLPIHPMVNPYTLLC SIPPYTMHYSVLQLIRAFFTIPLH P*\PSLY*VSLGLTLPIRLSKLP GLHCRKASQTTPTS VKPKFHP HLLPIST
15066	45434	A	15153	678	1189	LGSGDLPWEINPLSSCSLLCEKH PPTTSGPQTDQPKKHLTNFKSE TKETCFIHEPKTLAPVTD*GRQP SLGV*SLQGRPL*SFSHISRVS HAGMPALVLHP*RQVPLFWGR GKYPNPFSPCLLPLLCFSGDRG KYPNPFSPCLYSFSAFLGTGQVP QPLLSSLPLLCF
15067	45435	A	15154	649	1428	QCISELQFLLASTVRQTPATSPA HKNFQTPELQRPGVPPEPPPTG ACYTCRKSGHWAKECPQGIPP KA/HLTDSFPDLLSLAAED*HC PIASEAPETITDAELPVTLTVEA HLHPGEINSHVAHTKPVWWSL HRDAHEIWCCDSDRGTSRLRPI PCPPALCSVTKIHLRPQVLRPTS PRNISPISNPAAPHQAELGPNPS/ SSLCSSL*SFYHLPSSHLVWLT VSFRD
15068	45436	A	15155	240	1208	LRSGDLPWEINPLSSCSLLREKD PPTTSGPQTHQPKHLTNFKSC KQ/DLFLSSPTSLTIPQLSPFN LGATLQSLPSLNFNSFHFLVETK ETRFIRGPKTPAPVT/VLGRQPS LGV*SLQRCLSDYTPTFQGCQT TQGRLPWSFTLSGK/CPLFWGR GNTL*KD*SLLSLACYSMGLLN PINSFPSSHFTCPKTRQAVTS* VQDLRLINHIVLLPIHPGGAQPH TLFCPQYRPVVLPIILFVYVKHA FFTIPLQPLIPSLSLPSRLTLTPI RLNKLPGLCCKAFRDSPHYLN QAQISSSVTYLGIILIKAHVLSL PIVSDW
15069	45437	A	15156	1174	1623	KFGLVQLTLGKPLPEPELELWPK A/HLTDSFPDLLGLAAED*HCPI ASEAPYTIITDAELRVTLTVEGK SVPFLINTEATHSTLPSFQGPLSL ASITVVGIDGQASKPLKTPQLW CQLRQYSFKHSFLVIPTCPVPLL G*DTLTKLSASLTIP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15070	45438	A	15157	1	1610	MGLGKSLCILKDAVLALREIKG ISFQYAPNTNRLWGYRQAKQT QHLSGISTLDCPQRYNGDDTGS VWALEPSCMLWACPLVPSEIY YFISEDVWKHLDAQEKF AAVM GPSRRTSVRAVWKGNGLEPP HRVPTGALPRVAVKRGPLSSRP QNGRSTYGLHCLKDTPQTQEDW LVSVLPEGSRVGVDPLIIP TALG HGR TTF LKVLDFQGPAPCPAA MGVRLMAGPQCVSSDYWK KM AKV LRSAGHHLIPVKENLV D KI WTD RPERPCKPLLTLGLDY TGI SW\KDKVAD\RLRLKMAERNVM W\FV\VTALDEIAWLFNLRGSD VEHNPVFFSYAIRD*ETFM LFI DGD\RIDAPSV\KEHLLLDLGLE AEYRIQVHPYKSILSELKALCA DLSPREKVWVSDKASYA/V*SE TIPKDHRCMPYTPICIAKA\VK NSA\ESGM RISDEKSAGNLTED PFYVIDRTLITGVCNSTEKSS LMSVASADTAENLWHLFFHILP SERALTRKLRVLKLGPNYSVQ NPTAQLHQQGPLHGVA
15071	45439	A	15158	1	756	
15072	45440	A	15159	1	1677	
15073	45441	A	15160	1220	2620	GPTEPHTGELWLES GGCPSGTK LPEEGTGSNLCCSTASAGDTQA NRVCSGPPTNHSRPAADRPVRR KINKQKTATSTSTKRTSTQRP H PKVTNDHSSSPAREQNWME\ E FDELTEVGFRRWVITNSSELKK HVLTQCKEAKNLEKRHSLGTK EPAALKGRTQYWQDSSPADLR PWL CATLLKQYKPTVFSHSTVA VHPRAGFLNLSTVDQHPVLDEP IAEAVCIADTNKWSVQVATSQ RKVPHNLKLGQDVLVSSQVSSL LQSILQLYKLHLPADFGDILLD NNLKCVFQLGSILPVTFRSHDP YDGEGTDELRTAACSPDTEQLA RQSGTYPVSLGQATVLEDSKA ALPGLGPTLMAVTVTTEAAV DMVVGDRGEERGGLVAPGTR GLTEEIWFVPSPSRWWSSHPV VAFITLAKYGPTSSPPVFHHGPN IIRHGAQGAASAGDSGSSSRCD RLPCRQNA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15074	45442	A	15161	666	1536	FSSAGDTQANRVCSVPPTNHSR PAADRPVRRKVNKQKTATSTS TKRTSTQRPHPKVTNDHSSSPA REQNWMEN\EFDELTEVGFR WVITNSSELKKHVLTCCKEAK NLEKRVRVNCLTRIT*P*RRTI KTLMEKNTAREVLHEAYTSINS WINQAEERLSEIEDQLNEIKRED KITEKMKNSTTVRVAASMQSK LLQGVAEEGPLRLTRSASFSAEI SMCHQWLFSTFGNGKSRNRYH CEKAHIEGNQLVEETGRAFKSR HRYGTGPLHKFEIHEYTELHHV LMLQGKC
15075	45443	C	15162	104	364	
15076	45444	A	15163	162	467	
15077	45445	B	15164	1	1122	
15078	45446	A	15165	188	456	
15079	45447	A	15166	485	1580	GEGYKADLAAATVECPICQQQ RLTLSPQYSHIPQGDQPTTW*Q VDCIGPLLKGQRFVLTGIDTYS GYVFAYPVCNASAKTIISGLTE CLIHCHGIPHSIASDQGFHMA KEVWQWAHVHGIH*SYHVAD YPEAAGLIEGWNGLLKSQLQC QLGDNTLQGWGKVLQKPMYA LNQHLYGTVSPIATHGSRNQD WNGSSLRGWTFITLFTAPRREP GTYIASDQRTFHMAKEVWQW AHAHGIHWSYHVADYPEAAGL IEGWNGLLKSQLQCQLGDNTL QGWGKVLQKPMYALNQHLY GTVSPIATHGSRNQGMEEVA PLTITPGDPQAKFLLPVPMTLCS AGLEVLVPEGGTLPPGHTTIPLN
15080	45448	B	15167	10	2352	
15081	45449	A	15168	2	497	WKPIAMRKSRRRQEKLVPQK EGQPKEGEREEGGPVQAQKVP NRLHLHWTT/HLPSFFQLPLLD SLWRALKFVVLEAIVKMIRFNG VLGKCEAIRAQALHEGGPPLPL AVFHNRRQLIVACSRISARLRGS PPPKSNNEQSSLSTDRLTDSQRL PPLSRNAQQKG
15082	45450	B	15169	1	1911	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15083	45451	A	15170	1	1569	MPIGKVGEYYIKGTLRATKESE QQSSALELSSDRVYLNEKEPGD QPWNAAFVFRGCGVALALRPP HLGWGEPRWAGFRGAFGFPFS TLNPSNWSLTLIIQGCKQEGFYS PSMRPRVVPKRGSAPKVR A EEN AALPSRCPPGPLPVAQPRGLLM GAHVSSAPAVGVGAASCHRLC PGFPDRPRPTLRSCIMNAVVG CDLRGQVYDPTGGWANEGTR DL SAVQGVPNHPGGRPCPTPQS SRQLPVVSRRPVVRPGGEAPP LDILPAALALHQSL LTPQDPRE DRPSPADLWAQDSWVGQPQEL PVGSRVRTGT EPDTHSGSVCTS RQKGDGSGPLARESSVRVILQG PSSAWMMFPEYTPGPRARAGT AVVGAMARQTVNVCLTKVRL QHPEGIPGGGRGPLVPKPVCTC/ IVDVKGSRV\WHVHICMSMGC RHVCLCGRSVGSRMCTAGQT PKLARQASIELPSMAASSTKSW WETGEVQAQSAAKTPSCKDIV AGDMSKKSLWEQKGGSKTSST IKMDSVTT
15084	45452	A	15171	328	641	LLMRSWSLPSAPRGFSCSCLQP QYPCRTESWPQTEPVSPVSHR LLVLATAMLGSSME/RLAG*LG GPASGLDGLGVLFQPLINLGDG QVWLGLHTVTLLYGAV
15085	45453	B	15172	120	1458	
15086	45454	A	15173	1	440	IQQDSQAPLYS\IKETQRANTYL VEWEPGAETAFKTLKQALVQA PALSLPTGQNFSLYITERAGIAF GVLTQTRGTPQPVVYLKDGE IEHDYQQIIAQTYATQDDLLEV PLANPDNLNLYTDGSSFVVGIR RAGYAIVSNVTVLE
15087	45455	A	15174	288	376	NHWLLLTMDPRIQQDSQAPLY S\IKETQRA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15088	45456	A	15175	777	1548	SKIQRDSQAPLYSNIETQRANT HLVEGEPEAEIAFKTLKQALVQ APALSLPTGQNFFLYITERAGIA LGILTQTRETTQPQVAYLSKEV DVVAKVWLHCLRDGEPIKHDC QQIIVQIYAARDDLLEVPLANP DLNLYIDGSSFVENGIRRAGYAI VSDVTVLENSLA AVTLQNRQG LDLLTAEKGGLCTFSGKECCFY TNQSGISSPLEDTT TAGPFLHPI QQEVARAIIGQFPTAFGVSCLE GRLRGEASWTSWVE
15089	45457	A	15176	1	1359	MGPEPKNTHPGSCTCLACSSS HKGFECLAVEQGSYTPVASPIV GVKENQEILDLELKYNQTRSA VTRCVLGAASTARIKQAEEGGR SRLAESSGLRLPFVLELPALEHQ TPSSSGFELDLHQRLATWSQA FNYRLKDTLLASLLLRFWDS WLPCSSVCSWPIVGLHLVIIERN YSYQQGTETVSSWATGVSA ASVSATIPINRVQGHCGFLGKR CFYCCIGECNHS DHQGP GTVAG SWARGVSATASQIQVDLGKFS DDPDRIYIDVLHLTWRDVMLLL DQTLAFNENNVALAAAEFGD TWYHRPVNDRMTAEQRDKFPT DIKTAAGIPWNHWWLLTMDPQ TQRDSQAPLYS\I*ETQRANTYL VEWEPEAE/TSFKTLKQALVQA PALSILTGQNFSLYVTERARLAL GVLTQTCGTTPLYQDELKKTL RHRDSESGFNQLEASAD
15090	45458	A	15177	368	5192	AAPAPQLGLGPCKLASHLLSQS HLSQSVRSEAEQKAGASPASSI QREPLFKDQLKAPLPEQKRRSL LTVPLLTFRQKCGPGSPLVAR GGATDSWLVS EEFRLSDSTAPP TELRGQEATGITKPPASLHPQPH AWDWARGRDP RRHLLGTPELQ EHSEKTTTETLPADMGKLRTW ERKEATAGQAAEGAAGGIHFE ATSLLRPSSYVPQTQGALSTTY KEAKMDRDLHLTPILAAQRAR GPRIHSFPSDEMI EPS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15091	45459	A	15178	76	969	KKSTALVIDNGSCMCKAGFAG DDAPQAMFPSTVGFPGHQGVM VDMGQKDSYVGNEAQSKRSIL TLKYPIKHGIITNWDNMEKIWH HFYNELHGAPE*QPVLLTEDPL NPKDNREKMTQIMFETFNTPA MYVAIRDVLSLYAFGRITGIVM DCGHRVTHTVPIYEGYSLPHAI LHLDLTGWDLTEYPCILLFSEK SYELPDGQVITIGNEWFWCPEV LFQPSFPCMESCRHQTTINSIKK CDVDIRKD\NTVLSGGTTMYPG IADRMQKEITALAPSTMKIKIIA PPERKFSVWIGCS
15092	45460	A	15179	1	451	
15093	45461	A	15180	130	227	LMKMKKVM*RA*KEEERRTPP AEDDFEKDLEWLINENEKSDAS IIEVYIANSIHNNYITKCFAIL
15094	45462	A	15181	104	1715	KEEERRTPPAISVIPAAAFYTAY FLHKQKMENKNDTDSKKSEY EDDFEKDLEWLINENEKSDASII EMACEKEENINQDLKENETVM EHTKRHSDPKSLQDEVSPRRN DIISVPGIQPLDPISDSSENSFQ ESKLESQKDLEEEDEEVRRYI MEKIVQANKLLQNQEPVNDKR ERLLKFKDQLVDLEVPPLEDIT TSKNYFENERNMFGKLSQLCIS NDFGQEDVLLSLTNGSCENKD RTILVERDGKFELNLQDIASQ GFLPPINNANSTENDPQQLPRS SNSSVSGTKKEDSTAKIHAVTH SSTGEPLAYIAQPPLNRKTCPS AVNSDRSKGNGKSNHRTQSAH ISPVTSTYCLSPRQKELQKQLEE KREKLKREEERRKIEEKEKKR ENDIVFKAWLQKKREQVLEMR RIQRAKEIEDMNSRENDRPQQA FRLWLKKKHVEEQMKERQTEEL RKQEECLFFLKGTEGRERAFKQ WLRKRMEKMAEQQAVRERT RQLRLEAKRSKQLQHHLYMSE AKPFRFTDHYN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15095	45463	A	15182	881	2040	MKAGWRQTQHLHDAGQLLHLI LPGEQGVARVQLRRDAAQAPH VNGHVVGVAQDHFWSVEPA LDVRVYCGGKTGGKQRRERREG RCGVEILMVGERKMENKEDT SKESEYKDESEKDLEGLTNEN EKSDASIIEMACEKEENINQDLK ENETVIEHSKQLSDPKSLQDE VSPRRNDFISVPSIQPLDPISDS SENSFQESKLESQKDLEEEDEE VLPRSSNSCVSGIKKEDSAKID VVTHSSTGEPLAYI/ASTYKLAY IPPLNRKTCPSAAISDRSKGNG KSN/HGQSAHISSVTSTYCLSP* QKEL/QKREQKREKLKREEEQQ KIEEEEEKKRENGIVFKA WLQK KREQVLEMRRIQRAKEIEDMNS RVSKTSLKNKFIQI
15096	45464	A	15183	873	4292	MVVS LGRVSSLS ESDPTGRVG R*VDCKVDRSIWAGVWISEDAP SEA*EIGGLGRK*MLSGGPQSPS KHVHIL*DQDSSSIPEPMGPCCP\ PHAPGKEPGTSCSIDTDGKLSG VSGDDS*T/GTDGGESEILLPQ *QLPVTLP SLPLPG*VRYTSR SR SRSRSTRDPGRKSRPISGLRGLC GDGATS/PLTPRHAPARDVQ/PG VSMAFAGDR\GDGGRRGASQ/ PAPPGPAVPRPCAQYSARAMPA SGRRES
15097	45465	B	15184	1	2214	
15098	45466	A	15185	3	361	
15099	45467	A	15186	1	1035	MKIHKSGGLKATPQLYASQFSG VAILATWGPHRPRNSSTSFSTQS KLRRPDESSVDFQKLMLCKEAT KKSKEKEPGMAFPQGH LIFSDV AIKFSVEEWKCLNPEQRALYRE MMLENYRNLES/VG*LFKIHDG VLINRARQYRSVPHRDIGKT*FL LPRNQERYSGL*VSVARN*KK WP*STHDRNQ RVN*VHTGEKP QKCNECGKTFSQKSYLQCHHR LHTGQKPYK*E*CDKVYSCRSQ LKTHRRIHTGEKAYCKVCEK AFWDNSCLSCQKRVHIGEPYT ALVMHKAIHTGEKPYTCNECG KAFSRKANLALYHRLHTGEKP YKCEECDKVYSRRSHLERHK
15100	45468	B	15187	1	1347	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15101	45469	A	15188	1	1446	MWRETKRYAAVLLLTPTPHYSAS LLPDW/PNLYLHQSGHHVPGVY LKFG\SSNPIYPCVDSAKTVFPN APLHDRVQSVRRMGPFKGVFR KVFSNLGFEYSLSTWATMGSPG SLGVSPFGKTLFVESASGSLDA LWPTVEKEISSHKNYQKHSEKQ IYDVRIELTGLNALPNISLNFYK NSVSKLLNRKKGLIHLQPFILR LCVSLHKNREENLGITIQDVAM RLSALPNIVCRLYKKTASEVLK EWSTRWDEYTHHKEVSQKALP TLVKIYKKNICQLLNQNGPN SEMNALITKKS VKSASGYLES AALVEKEISSYKNYTEAFYNLL CDVYSHVTEMKLSSIEQIGNTL FVESASGVWRALRPRGKEVNDI FIDQIANSVLVDSSKDICKRFEA CGAMVKKENLHIKTRQKISEKL HWPFGAPRLTSLTGPEKTGKGE HPGAKARGELSGAPPLIHTRKL SLMSNVETLLEKLQGYTGAH
15102	45470	A	15189	1	966	
15103	45471	A	15190	157	531	GDHTTFLCLLMVNAEFKYNFK TIIS*DLLKKDSGQYGHFTIFFRS MSIGCFSIYLCIFNFFHQCFVAF LVEIFTFLVKCIPQVDSIEDTTFG HPEEATPHPFSSFMRLQFSHIF SSWPVSFTAH
15104	45472	A	15191	9	494	PTDRPRPRALAGARGPPGRAPR VPPAGGPRPSQYGHGGRPNPR HGWHDAFCPNNTPYR\ERPLDS RYLTPGPLDMRGDSGFRTGRGS DVGSLKPTDTRRNGKIYLNGS/ NVFYYQQLHPVHRGDGARRG FSGRTCLHRMVC*YEQTGHQS DQT*KARSAYG
15105	45473	A	15192	1361	2038	
15106	45474	A	15193	1376	1906	LAFPDGMASLIMMSLPAMRTL AWAMAVSGNCIPEGQFSALSC ADFGISPKLIL*SSSAPNYLAMG ISCPRADDLPEAGTAETDRACR SIPQYGTDLGWYPATAAGPQSE SVQGAV*PHRYEAG*ST/VWKP LKKK*KPLPRR*LARWQMIRFR KPSPLTTSKLTCAWRFLDFRW LE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15107	45475	A	15194	1	1388	MIEHPRRRDNYRQSGPPVADKP TTKGEPLISDIVSDAQQANLLIP VDETPPVINDEQSTSTPLTTAQT MALAAVADKNTTKDEKADDL NEDVTASLSALFAMLPFGDNTF KVTDA PSTVLPTEKPTLFTKLTS EQLTTAQPD DAPGTPAQPLTPL VAEAQSKAEVISTPSPSISGVT RSKMRQREWLVLPPEDSLVIRR SNKTSQLPAFNVPLSAAKAAAS KPWRASNTACRNSRPSKVCSAE GEQWFSASGRGEIHSQSPARDM AQMCKLAAEGHFAEARVINQR LMPLHNKLFVEPNPIPVKWACK ELGLVATDTLRLPMTPTITDSGR ETVSGDETYLEAAPLAELHAPA GMILPVTSGDYAIPVTNGSGAV GSYSAITEPGAGSDVGS�KTTY TRRNGKIYLNGS/NVFYYQQR HPVHRGDGARRGFSGQTCLHR MVC*YEQTGHQSDQT*KARSA YG
15108	45476	C	15195	1	1905	
15109	45477	A	15196	285	1706	YARVHSGRSSIRRSIPVSICIRSSI RGCVPVVHCIRSSIRRSIPVDHL YQIIHTKKHTRCPFVSDHPYEE APDYSASLLPDWLPVPSSKVV TYPGFTSICGYTTSSKACFSVF AWCFTSDVPGRFSEDEDEDSE MWSLTALMGVMGGWKTSARS EVSILCSTSSKVIHSSYPYADRA FQVWSLDARFAHINKPFGVDRF SGEAPSRAITTMYGKVLNRPA TGT A HRLVPPDVPVPHGGESN KPRVQTTVSSGISRLSIPISASAL QNV PDKTHDISNITDTVYHCPL SQSSRWY WRFVPVRSPPLSNGQ TAVRPGGSRAGAAGGPLSEYS GSGFGVMKWTKDQLTVTVKV HHLPEVVEFLYYKQGGWLSVL FGNDERKLNGHYAVYYVLSRE KGTKCWI/TDSMDYRQR/PAPT NDAETYEFINELGARKTTVPPI GPLHVT S/DEPGHLRLFVDGENI IEANNE*IHRTQC
15110	45478	A	15197	3	1396	
15111	45479	B	15198	1	1399	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15112	45480	A	15199	283	796	FVGVKSAGNRLKTIDELANESR SSVGLTQAALKTLESSGAIRIER RGRNGSYLVEMDNKALLTHVD INNVCAMPLPYTRYEGLASG LKAQFDGIPFYAHMRGADIRV ECLLNGVYDMAVVSRLAAESY LPQKGLCLAL*LGPPPYVGE\YQ L*QVKAKSEYVKRVGHV
15113	45481	A	15200	48	3376	
15114	45482	A	15201	49	681	DPGADRRGSVWGLSDLRNTYN ALYLTHSGRLSECPTPANEEKE PTNHNRTLNTQTKKKKTRT KDCTTRNKNSTRPGSGIAGPSY YTVAGPPSAIDPRWLRPTPPAL DPQ*MPHTSKRGKRADQSQPN ANKPNTEREKKDKNEGLHHKE QEQ\QRP GSGIAGPSYYTVAGP PSAIDPRWLRPTPPALDPQTEPL IFQQLEIDHYVAGLTHEVMSLS HLTLVMRWGSVSAHLAHWA RCRWISTELTPNSITSTSSPLKD CSSSPAMEQSWLENDFDELTED KKTCLCDH
15115	45483	A	15202	3	587	
15116	45484	A	15203	3	774	MVLMAGFTAGNEKGELVVLG RNGSDYSAAVLAACLRADCCEI WTDVDGVYTCDPRQVPDARLL KMSYQEAMELSYFGAKVLHP RTITPIAQFQIPCLIKNTGNPQAP GTLIGASRDEDELPVKGISNLN NMAMFSVSGPGMKGMVGMMA ARVFAAMSRARISVVLITQSSSE YSISFCVPQSDCVRAERAMREE FYLELEESLLEPLAVTERLPIIS VGSDGNPPPCGGISPKFFAALA PRPISKFVALCSGIPF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15117	45485	A	15204	1474	1511	HS*VPANLYMELKACFTGA/NE KGELVVLGHNLA VSYFIALAAS LRADCCEIWTDVDGVYTC DPR QVPDARLLKSMSYQEAMELSY FGAKVLHPRITITPIAQFQIPCLIK NTGNPQAPGTLIGASRDEDELP VKGISNLNNMAMFSVSGPGMK GMVGMAARVFAAMSRARISV GLITQSSSEYSISFCVPQSDCVR AERAMQEEFYLAELKEGLLEPL AVTERLAHSVVGDMRTLRLGIS AKFFAALARANINIVAIAQGSSE RSISVVVNNDATTGVRVTHQ MLFNTDQVIEVFVIGVGGVGG ALLEQLKRQQSWLKNKHIDLR VCGVANSKALLTNVHGLNLEN WQEELAQAKEPFNLGRLIRLVK EYHLLNPVIVDCTSSQAVADQY ADFLREGFHVVTPNKKANTSS MDYYHQLRYAAEKSRRKFLYE HNTFVSPHIRPLIERRGRSSTRD KWCARPSTERQQDNSAARILSC QQGNTSFEHTSSIRVGTTNSLN
15118	45486	A	15205	198	462	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15119	45487	A	15206	31	1981	RWLMRGMGIALPAAMASTVSP STIAETPEPPPLSDW/LRASG/DV WVHLLGLDPLHSSLLLSICLFSR SLIWIF*LQP*SV/ALAFQMGAS LFASNIGVIEGEGPQAKPL*CLT VSYFEMLNNLNAQGPKGKLS CQCLSLQVMTMPEYLKKRWTL GQRSQWPQMHSVFS*LPF*A DIFAGAIFIKQPSGEGKYMRT G*NALVLFSLGGLEVVIINIG CLRFQ*DISFYSDAFLAFNEVGG YESFTEKYVNATPSVVEGDNLT ISASCYTPRADSFHIFRDAVTGK GR*LPLKSSPGLFHECVTFSRQV IVQRCL\CGKDMSHVKAACIMF LFV*WLLVLPWASLDSLLNSSP DMVACVVPSECVISTLSGLARQ CPATNQCLYPFPAPGLRGLMLS VMLASLMSSLTSIFNSASTRTK AQWK*L*CFCLMFKLCCFLLRI FVLLLTVVSVVWVPLVQVSQNG QLIHYTEI***LT*ISFSYFLNILI FFLLLQGAFWGLMVGLAMGL IRMITEFAYGTGSC LAPSNCPKII CGVHYLYFSIKVPFYTYTIANICL LLMHFCMVVPQLYRLCWVLR NTTLTRISSSFVI*IFCNHLLIFVP DYPEKSRGCLKKAYDLFCGLQ KGPKLTKEEEEALSKKLTDTSE
15120	45488	B	15207	1	1392	
15121	45489	A	15208	57	1523	
15122	45490	A	15209	473	589	LPRQLALSCVVCQTLVPAIRCI DWGWLF*W*SVTPVM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15123	45491	A	15210	1	1297	MGKIMSSYQHVDLIVDCDFEA YHRQPSSGTSVVTGPSAQUALI TEKIVTYHWDQHVGDLVLNI YCVINVL DHTVKAVIDDRFMG GITTINLQLMAIIVRYFFASGSA YIVAML P VFAMLANVSGAPLM LTALALLFSNSYGGMVTHYGG AAGPVIFGVGYNDIKSLCFDER TRIDVADTYASNWRSRCNQITF NGECPNTRQHIAAVRRGIDTLL MNDYLRLKQIIDISTRIAGTANN GDFTGQWITAANTVNFQIVAGT HNCHQYFIALLRIFGILKYIQDR AREGLKQRDLAEALSTSPQTVN NWIKRDALSREAAQQISEKFGY SLDWLLNGEGSPKKDLESNIPP ESEWGTVD AWDKNTPLPDDEV EVPFLKDIEFACGDGRVHDEDH NGFKLRFSKV\ VQPRVGC*QG* G*LLYLDSV**GDPLEST
15124	45492	A	15211	62	301	SWMSSPRAFSSSTCLETAAPTR MATAL TSAACRLPPAAGSGSP WAPAPYRWRARRRTGPM SDR Q*RTSQPCPEPAAASR
15125	45493	A	15212	1	1665	MQDSAHLRLPPAASRRVWLA LGSCPLPLESSPAHRAYERPSVA HQPAVPGARRSLEVPSEVPLTV PALTPPRIPAMLTAVCGSLGSQ HTEAPHASPPRLDLQPLQTYQG HTSPEAGDYPSPLQPGELQSLPL GPEVDFSQGYELPGASSRV TCE DLES DSPLAPGPF SKLLQPDMS HHYESWFRPTHPGAEDGSWWD LHPGTSWMDLPH TQGALTSPG HPGALQAGLGGYVGDHQLCAP PPHPAHHLLPAAGGQHLLGPP DGAKALEVAAPESQGLDSSLD GAARPKGSRRSVPRSSGQTVCR CPNCLEAERLGAPCGPDGGKK KHLHNCHIPGCGKAYAKTSHL KAHLRWHSGDRPFVCNWLFCG KRFRSDELQRHLQTHGTGKKF PCAVCSRVMRSDHLAKHMK T HEGAKEEAAGAASGEGKAGGA VEPPGGKGKREAE GSMASSPD SPCSCDCFVSVPPASAI PAVIFA HELGPTPGRGAGGGVCPRRHS HSWEPAPGL*AVGGGGGASGQ AGDRGCHA*EAGRS/SCSRRGS GL*RAGTS*ISASS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15126	45494	A	15213	3	471	GRPSSPGVHGSSTQTPAHVGSF PGCGPIPPD/ACRRSKIRGPGGW GGVGG/CRDGRNSR/DLRNLPC PFLFLPGP*AAAPSPPWPAAGA APCGQCLDGWPHSYSHGHSSA AGRGGICRSPLLAGELRPPGIQ YNGRTEVRGILSGSPCPPFSGAG
15127	45495	A	15214	3	449	PHQDLEEAMVLL*PPSP/PAWPT MRTRKRPSSKVSSTSRLRKSIM TTYAVPSRAPTPA*PSASKPTNA FS/HMVGSEPRSHAHLDRHRD SR*RKPRPLSGPRTLGGKSLRGS AGAGRGGVPRRPLPENLDAPL WNSPGNSAGAAVQLA
15128	45496	A	15215	26	1126	EGPSSEAAHPGCTPREQDGM DPARKAGAQAMIWTAGWLLL LLLRGGAQALECYSCVQKADD GCSPNKMKTVKCAPGVDVCT EAVVAVETIHGQFSLAVRGCG SGLPGKNDRGLDLHGLLAFIQL QCAQDRCNAKLNLTSLRALDP AGNESAYPPNGVECYSCVGLSR EACQGTSPPVVSCYNASDHVY KGCDFGNVTLTAANVTVSLPV RGCVQDEFCTRDGVTGPGFTLS GSCCQGSRCNSDLRNKTYFSR IPPLVRLPPPEPTTVASTTSVTTS TSAPVRPTSTTKPMPAPTSQTPT QGVEHEASRDEEPRLTGGAAG HQDRSNSGQYPAKGGPQQPHN KGCVAPTAGLAALLVAAGV
15129	45497	A	15216	1401	1983	AQRAQALECYSCVQKAD/DGC SPNKMKTVKCAPG/VDVCTEA VGAVE/SHPFWIWPRPFNAAPP LSAWPGPYDTALQARPLY*QL QARGAES*ELVH/GQFSLAVRG CGSGLPGK/NDRGLDLHGLLAF IQLQ/QCAQDRCNAKLNLTSLRG LDPAGTSPPVVSCYNASDHVY/ KGCDFGNVTLTAEPPTVASTTS VTTSTSPQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15130	45498	A	15217	1	964	MNVKGD TQGNTRVRVDNIGG VGAQTVNGIELIEVGNSAGNF ALTTGTVEAGAYVYTLAKGKG NDEKN\SPSVYRP/EAGSYISNIA AANSLFSLHRLHDRHSLQPLKI LVTGGAGFIGSAVVRHIINNTQ DSVVNVDKLTYAGNRESLADV SDSERYVFEHADICDAPAMARI FAQHQPDV MHLAAESHVDRS ITGPAAFIETNIVGTYVLEAAR NYWSALDSDKKNSFRFHHISTD EVYGDLPHPDEVNNTTEELPLFT ETTAYAPSSPYASKASSDHLV RAWKRTYGLPTIVTNCNNYGY PYHFPEKLIPLVILNALE
15131	45499	B	15218	44	405	
15132	45500	A	15222	1	498	MTRSLLSVFEEDAGTLTDYTNQ LLQAMQRVYGAQLNLLHTELA KQL\ETQWFYLSYNSEKRISQTL SAMWRGRAAQ/TQGHVWVG MVEAVCSKVSTLKD LFGLASN EHDLSMAKYSRLPKKKENEKL AAFGQPTWCDPAERVGFLEPV GPDPGAKSAPSPDRASTL
15133	45501	A	15223	1	1224	
15134	45502	A	15224	1	1353	
15135	45503	A	15225	1	2580	
15136	45504	A	15226	1	3117	
15137	45505	A	15227	1	1260	
15138	45506	A	15228	1	2142	
15139	45507	A	15229	1	1413	
15140	45508	A	15230	1	4049	
15141	45509	A	15231	1	381	MLMLNIGFKNFQFEHLKCSHGS YSEDIGFPNAGALSGAMFLLEE KHLLFGLKEEERLRASIRRESQ QRRMREKQHQRLSASY\WNLI DTMRRRKARSP/YSLAAIKNRY KGGIRDQKPSYDSLNL CMT
15142	45510	A	15232	1	467	DHSSSPAREQNWMEN\EFDELT EVGFRRWVITNSELKKHVLTQ CKEAKNLEKRLGELLTRITSLE KNINDLMELKNTARELHEAYTS INSWINQAEERLSEIEDQLNEIK REDKITEKMKNSTTVRVAASM QSKLLQGVAEEGPLRLTR SASF
15143	45511	A	15233	1	1140	
15144	45512	A	15234	1	2640	
15145	45513	A	15235	1	714	
15146	45514	B	15236	1	546	
15147	45515	B	15237	1	735	
15148	45516	B	15238	50	1603	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15149	45517	A	15239	1374	2220	QAENSHININKKDVHSETPSEG HQRKRPKDHSSSPAREQNWME N\EFDELTEVGFRRWVITNSSEL KKHVL TQCKEAKNLEKRLGEL LTRITSLEKNINDLMELKNTAR ELHEAYTSINSWINQAEERLSEI EDQLNEIKREDKITEKMKNSTT VLVSTWGSQLEQNNLPHIISPLF HSTHDLNISFYGGCLLQACSSK LLQGLAEGGPLRLTRSASFFAA KLCLTKHFLPTMILIKSRKTP DTQPRRLYLLQGVDQTSRKG PTALNIRQKTFAAAPPHR
15150	45518	B	15240	1	1311	
15151	45519	B	15241	46	212	
15152	45520	A	15242	3	371	EPLPPEPPAVPSEVELQHLRKEL ERVAGELQSQVKNNQHISLLNR RQEERIREQEERLRKQEERLQE QHEKLRQLAKPQSVELK\SQEV QSLQQQPDHFLGHL\QQYVAT LSAARWAAYQQLD
15153	45521	A	15243	392	558	
15154	45522	B	15244	52	689	
15155	45523	B	15245	400	603	
15156	45524	A	15246	5	1158	RKFWRWMVVMMAAQHSQAAQ GQRR**VSKGP**PGPMGGPVL GHWWHSGGISLAVPSLPPPGKS SVFLFLFSASFSDMKLNPGTVSP RLIFGSYDDGFLVETVVKFDFQ LWQKTPLHRAAGERRRAEQRG KLSFVMP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15157	45525	A	15247	1	1808	MAEETQHNLAAAKKKSATGF HREGPTSSATLKDLESPCQERA VVL DSTSVKISRLKNTIKSLKQQ KKQVEHQLEEV TAPDNLVPWV GLSWGIGGILGACLLLCHLCLP LEKKANNERQKAERELEVQIQT LIIQKEELNTDLYHMERSLRYFE EESKDLAVRLQHS LQCKGELES ALSAVIATEKKKANQLSSRSKA RTEWKLEQSMREEALLKVQLT QLKESFQQVQLERDEYSEHLKG ERARWQQRM RKMSQEICTLKK EKQQDMRRVEELERSLSK LKN QMAEPLPEPPAVPSEVELQHL RKELERVAGELQSQVKNNQHIS LLNRRQEERIREQEERLRKQEE RLQE QHEKLRLAKPHCAF SRS *TMRTRAHLQLEQQVKELQE/Q ALARVFLQVELKSQEAQSLQQ QPDHYLGHPAAEHLEAASQQN QQLTAQLSLMALPGEGHGGEH LDSEGE EAPRPMPSVPEDLESR EAMVAFFKSAGASAQEKQAQL QE QVKEQ RVCCQRLAHPVASA QKEPEAARGPGAPGPGGESSF MDHLKEKADLSE/PGEKRTLLH P/PTG/GDRRHQKTHHLLSEPGG CAK/DAALGPGHHQAGAQQGGD
15158	45526	A	15248	2085	2700	YPGKRGLEWT*ANSNRPA AEG PDE\SSSLPATEQSWMENDFDE LRKEGFRRSVITNFSKLKEDVQ THRKEAKNLEKGLDEWLTRINS IEKTLNDLMEMKTMA*ELHDT CTSFSSRVDQVEERLSVI*DQM NEMK*EEKFREK\RVKRNEQSL QEIWNYVKRPNLHLIGVSEIDR ENGTKLENTLQDIFQENFTYLA RQANIQIEI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15159	45527	A	15249	378	1744	QTERNSININKKDIHTKTPSVRH HHQRPKLHKTTKMGKKHSRKA ENSKNQSGSLPPKECSSPAVE QSWTENEFDEFTEEGFR\RIESQ MNEIKGEEKFREKRVKRNEQSL QEIWDYVKRPDLRLIGVPDSG ENGTRLENTLQDIIRENFPNLAR QASIQIQEIQRTPQRYSSRRATP RHIIVRFTKVEMKEKMLRAARE KELKIKKLTQNCLTTWKLNNLL LNDYWVHNEMKGEIKMFFETN ENIDTTYQNLWHTFKAVCRGK FIALNAHKRKQERSKIDTLASQ LKEIEKQEQTHSKASRRQEITKI RVELKEIETQKSLQKINESRSWF FEKINKIDRPLPRLIKKKREKNQ IDTIKNDKGDITTNPTIEQTISRE YYKHL YANKLENLEEMDKFLD TYTSLGLNKEEVESLNTSITGSE VEAIINSIPTKKKSRTRWIHSRIL PEVQGGA
15160	45528	A	15250	935	1269	LIEGKLTERNSININKKDIHTKT PSVG/PPSSKTKDRSSLPAIEQS WMENDFDELTEVGFRSSVITNL SKLKEDVRIPHKEATNLEKRLD EWLTRINSIEKTLDDLMEKTM
15161	45529	A	15251	401	497	KTFSPFYFS*RRRTVRDINGFTE Y*EPEKLLG
15162	45530	B	15252	220	940	
15163	45531	A	15253	1	1476	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15164	45532	A	15254	1	2423	MNGKNKTNIYQEPTVCQALHW TLARIGKEEPRRGQRGEGLLCS RERQPRGLSSPGTAAPAAPAAP TPPALPGHRTSRGSPEGPEPILR RGGSADAPGRVKTWVNRPAAF VGKCLGDGSADTACDQAMKG QRGSNRKRKTSHSLTFPTSSDM HAGGLSAAHPCAHSRAPPPASP SPYKGS LGTRTDGLTDSRADSA ASGARALGVDGQPQSPRRRAP PRPVGADGSSRGPPQGRRRVER RGPATQPGDSRALPEPRGVPAV HPAGSGSEWERPPAAPSPPEHR DKMLPGLRRLQLASARRPQFPF EAARWVWSPCFSSGTLCPSPFQS ERPLLPGFQASFP GTTLHQRLCP VAALHSGKGQKWQQSHCYA AAVMEPPAPGRSSESLQGPLS WAGGAPASACLLMLLALPLA APSCPMLCTCYSSPPTVSCQAN NFSSVPLSLPSTQRLFLQNNLI RTLGARHLWVQPAHPVALLQQ PLHHLPGHFPLAQALEELDLDG NRHLRSLEPDTFQGLERLQSLH LYRCQLSSLPGNIFRGLVSLQYL YLQENSLHLQDDLFADLANLE PTSFLHGNRLRLTEHVFRGLG SLDRLLHGNRLQGVHRAAFR GLSRLTILYLFNNSLASLPGEAL ADLPSLEFLRLNANPWACDCR ARPLWAWFQARVSSSDVTCA TPPERQGRDLRALREADFQACP
15165	45533	B	15255	47	482	
15166	45534	A	15256	1	636	MRDPNTRKSRGFGFVTCATVE EVDAAMNARPCKVVGRTVEPK RAVSREDSQRPEDTEELHLRDY FEQYGKIEVIEIMTDQSGKKR GFAFVTFDNHDSMDKTVIQKY HTVNGHNCEARKALSKQEMAR ASSQRGRSGSGNFGGGRGGGF GGNDNFGRGGNFSHGFGFGGS HGGGGYGG/SGDGYNGFGNDG GGGSYNDFVNYNNQSSHFGPM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15167	45535	A	15257	1	890	MSKSESPKEPEQLRKLFIGGLSF ETTDESLRSHFEQWGTLTDCVV MRDPNTKRSRGFGFVTYATVE EVDAAMNARPHKVDGRVVEP KRAVSREDSQRPDYFEQYGKIE VIEIMDRGSGKKRGFAFVTFD DHDSVDKTVIQKYHTVNGHNC EVRKALSKQEMASASSSQRGRS GSGNFGGGRGGGFGGNDNFGR GGNFSGRGGFGGSHGGGGYGG SGDGYNGFGNDGSNFGGGGSY NDFGNYNQSSNFGPMKGGNF GGRSSGPYGGGGQYFAKPRNQ/ GGYGGSSSSSYGSGRRF
15168	45536	A	15258	1	286	
15169	45537	A	15259	1	1674	
15170	45538	A	15260	235	1370	KREGEGRLADTFVSLLSARGR RRRSIVKVS LHPAVMSKSESPK EP\EQRLKLFIGGLSFETTDESLR SHFEQWGTLTDCVVMRDPNT KRSRG\FGFVTYATVEEVDAAM NARPHKVD\GRV\EPKRAVSR EDSQRPGAH\LTVKK\IFVGWH* RKTTFWGGKKKRAKKHHLRD YFEQYGK\EVIEIH*LDR\GQWP RKRGF\AFVTF\DDP\DSVDKIVI QKYHTVNGHNCEV\RKALSKQ E\MASASSSQRG\RSGSGNFGG GRGGGF\GGN\DNFG\RGGNFS\ G\RGGFGGT\RGGGGYGG\SVG DGYNGFGNDGSNFGGGG\SYN DFGNYNQ\SSNFGPMKG\GNF G\GRSSGPY\GGGGQYFAKPR\N QGGYGGSSSSSYGSGRRF
15171	45539	B	15261	1	660	
15172	45540	A	15262	2	486	KMRQRERAQGGK/VAPAPAVV K/KQEAKKVVNPLFEKRPKNFG IGQDIQPKRDLTRFVKWPRYIR LQRQAILYKRLKVPPAINQFT QALDRQTATQLLKLAKHYRP/G DKGALAKLVEAIRTNYNDRYD EIRRHWGNNVLGPKSVARIAKL EKAKAKELATKLG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15173	45541	A	15263	3	845	PPKMPKGKKAKGKKVAPAPAV VKKQEAKKVVNPLFEKRPKNF GIGQDIQPKRDLTRFVK\WPRYI RLQR\QRAILYKRLKVPPAINQF TQALDRQTATQLLK/LVAHKYR PÆTKQEKKQRL\LARA\ÆKKA WQKGTSPTRPP\VLRA\AGS*HP VTTLVE\NKKASAGWWIAHRR GFPSSLVVFLP\ALCREKWGSPY \CHKGKARLG\RLVTRKTCTTV AF\TQVNLGRQRALLLKLVEAI RTNYNDRYDEIRRHWWGGNVLG PKSVARIAKLEKAKAK\ELATK
15174	45542	A	15264	1	5796	
15175	45543	A	15265	1	2212	MPRVEKNIPGRNRNSKGFEDPLE VTQDVTREWAKKVVWKREKA SKINGAYFCEGRVRGEAIRRT MKMRQQATLTMTVDKGDNVN ISFKKVLKEEDAVIYKNGSFIH SVPRHEVPDILEVHLPHAQPD AGVVSARYIGGNLFTSAFTRLI VRILPPQPENIKISNITHSSAVIS WTILDGYSISSITIRYKVQGKNE DQHVDVKIKNATITQYQLKGLE PETAYQVDIFAENNIGSSNPFS HELVTLPESQAPADLGGGKML LIAILGSAGMTCLTVLLAFLIILQ LKRVANVQRRMAQAFQNVREEP AVQFNSGTLALNRKVKNPDP TIYPVLDWNDIKFQDVIGEGNF GQVLKARIKKDGLRMDAAIKR MKEYASKDDHRDFAGELEVLC KLGHHPNIINLLGACEHRERGD RRHLENQVTPTLILRFSNTLSKR HTRRLYPEPGSEGPTPEPRSL AQQSEIKLHGGSEPPLLIFRQTG SGVDLQQTPTNLQLRVLTVRR KTDKRKGHPHQKPCSSPSSKT KEGFRRSNYSKLKEEVQTHGK EVKNLEKKLDKWLTRITNAEK SLKDLMEKTKARELCDECASL TSQFDQLDKRVSMEDQMNE MKQEEKFREKRIKRNEQSLQEI WDYVKRPNLCLIGAPESDGEN GTKLENTLQDIIQENFPNITRQA NIQIQEIQRTPQRYSSRRATPRHI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15176	45544	A	15266	1	743	PPLLIFRQTGSGVDLQQTPTNLQ LRVLTVRRKTDKRKGHPHQKPI CSSPSSKTKEGFRRSNYSKLKEE VQTHGKEVKNEKKLKDOWLTR ITNAEKSLKDLMEKTKARELC DECASLTSQFDQLDKRVSVME DQMNEKQEEKFREKRIKRNE QSLQEIWDYVVRPNLCLIGAPE SDGENGTKLENTLQDIIQENFPN ITRQANIQEIQRTPQRYSSRR ATPRHIVRFTKVEMKEK\MLR AAREK
15177	45545	A	15267	1	618	
15178	45546	A	15268	200	618	EVSRNNTRTKTSYKQDMNTSK GF*KDTST*PVT/KERSSSPATEQ CWTFENFDELREEGFRRSNYSE LKEEVRTNGKEVKNEKKLDE WLTRITNAEKSLKDLMEKTM ARELCDERTSLSSRCQLEERV SVMEDEMNE
15179	45547	A	15269	158	594	SGSSICCSPISTVLQPLLTPRQT GSGATSSK/SPTDLQRECS SSP AKEQSWMENFDELREGFRRS NYSELKEEVQTHGKEVENLEK KIDEWLTRITNAEKSLKDLME KTMAREQCDECTSLSSRDQLE ERVSVIEDQINEMK
15180	45548	A	15270	3	1453	LSDLELAAQSIIFIFAGYETTSSV LSFTLYELATHPDVQQKLQKEI DAVLPNKERSSSPATEQSWTEN DFDELREEGFRRSNYPKKEEV RTHGKEVRNLEKKIRQM\VTRII NAEKSLKDLMEKTMARELRD ECTSLSSQFNQLEERVSVMEDQ MNEKKEEKFRKRIRKKEQS LQEIWDYVVRPNLRLIGVPESD GENRTKLENTLQDIIQENFPNLA RQANIQEIQRTPQRYSSRRAT PRHIVRFTKVEMKEKMLRAAR EKEIQTIREYYKHLANKLEN LEEMDKFLDTYTLPRLNQEEVE TLNRPITGSEIAIINSLPTKKSP GPDGFTAIFYQRYKEDLVPFFL KLFQSIEKEGILPNSFYEASIIIP KPGRDTTKKENFRPISLMNSDT KILNKILANRIQQHIKKLIHHDQ VGFIPGMQGWFNIRKSINIIQHI NRTNDKTHMIISIDA EKA FNKIQ QPFMLKTLNKL
15181	45549	C	15271	111	269	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15182	45550	A	15272	94	4505	YLDMMSFVQKGSWLLALLHP TIILAQQEAVEGGCSHLGQSYA DRDVWKPEPCQICVCDSGSVLC DDIICDDQELDCPNPEIPFGECC AVCPQPPTAPTRPPNGQGPQGP KGDPPGPPGIPGRNGDPGIPGQP GSPGSPGPPGICESCPTGPQNYS PQYDSYDVKSGVAVGGLAGYP GPAGPPGPPGPPGTSGHPSGSPGS PGYQGPPEGPGQAGPSGPPGPP GAIGPSGPAGKDGESGRPRPG ERGLPGPPGIKG
15183	45551	A	15273	1628	1832	RRRRKARERRRLAAEQGRRMK EQCKDGFSE/QASGALKLMGSN EGEFKAEGNSKFTYTVLEDGCT KHTG
15184	45552	A	15274	1	362	
15185	45553	A	15275	1076	1240	LRQLL*LCPSWRLCLLGGWQL HLFF*RHHFVHLVSQRCSIAMS PSPRRCFSLHL
15186	45554	B	15276	480	1167	
15187	45555	A	15277	3	379	
15188	45556	B	15278	13	369	
15189	45557	A	15279	112	1112	WPPASPSASVIRTVKEFALTNP KSSTKETERKETKAEELDAEV LEVFPHTHEWQALQPGQACPC RNPTYGLNLQTGEREAKLQYE DKFRNLLKGKRLDINTNTYTSQ DLKSALAKFKEGAEMESSKED KARQAEVKRLFRPIEELKKDFD ELNVVIETDMQIMVRLINKFNS SSSSLEEKIAALFDLEYVYVHQM DNAQDLLSFGGLQVVINGLNST EPLVKEYAAFVLGAASFSSNPKV Q/EWEAIEGGALQKLLVILATE QPLTAKKKVLFALCSLLRHFPY AQRQFLKLGGLQVLRTLGAGE GHGGARRARGHTALRPCHREK CSPRRRLS
15190	45558	B	15280	54	385	
15191	45559	B	15281	274	776	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15192	45560	A	15282	362	1323	HQLGRSALLDTRTVSMQKAKN GDAVTEPQVA/ENEANGKDTA EVDLLTKELEDFEMKKATARA VTGILASHPCSTDVHIINLSLTF HGQELPSDTKLELNSVRHYGLI GLNGTENSMLLSAVGKHGVPIPI EHIDIYHLTREMPSPDKTPLHSL VTVSSPRQRDDMSDGHLCSTAR RHTDIRDDRSPDAPDTARSLAR STITTRRIFALATPSRTLQQVCS ALAYTSHPAARTQPLASTALTR RYMLPSPQLPSLRDHRRTNPLH SAVATIPHTTTGEADVSLLCIGL STLHYALVYHVSULTALSAQS MSATDASIIFFEPKR
15193	45561	A	15283	3	537	
15194	45562	A	15284	1	455	MPRPEKLGKTQVPPLAECLTKD SFLGQKQASLGPLTFRDVTIEFS LEEWQCLDTVQQNLYRDVMLE NYRNLVFLVISS/HFTQDFWPD QSIKDSF/QRIILRTYARCGHKN LRLEKIVKVS MRKHQIIHTGKK PYKCEECALLASQPLENMR
15195	45563	A	15285	1	397	FAVLMAHYDVQEEDPVLTVIT YMGLSVSLLCLL/LAALTFLLC KAIQNTSTSLHLQLSLCLFLAHL LFLVAIDQTGHKVLCSIIAGTLH YLYLATLTWMLLEALYLFLLTA RNLTVVNYSSINRFMKKLMFPV
15196	45564	A	15286	191	1332	AIETQAITDNCSEERKTFNLNV QMNSMDIRCSDIHQGDTQGSPVI AFISYSSLGNIINATFFEEMDKK DQVYLNSQVVSAAIGPKRNVSL SKSVTLTFQHVKMTPSTKKVFC VYWKSTGAG/CSQWSRDGCFLI HVNKSHMTMCNCSHLSSFAVLM ALTSQEEDPVLTVITYVGLSVSL LCLLLAALTFLLCKAIRNTSTSL HLQLSLCLFLAHLFLVGIDRTE PKVLCIIAGALHYLYLAFTW MLLEGVHLFLTARNLTVVNYS SINRLMKWIMFPVGYGVPAVT VAISAASWPHLYGTADRMLAF KATAQLFILGCTWCLGLLQVGP AAQVMAYLFTIINSLQGFFIFLV YCLLSQAKHKFTPMEVPRQN HRCLQQN
15197	45565	A	15287	263	397	GRPPAPAARVSGPASVSAG*KR VSASGSGVGRSMRRGSALLPPN F

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15198	45566	A	15288	1	278	MKFHDRGQM QPKPSPAEAVNS APQREPEGSILRAADPLVWAAK AMSASR/RGS/CGGSSADPRHTE RTPTEPDADTRFQPAETLAGPK TRAAGAG
15199	45567	A	15289	5	545	SFMTEAKSSPNAQQRLSTQRP SESRKVPSSSELQTLSCGLQRPCL HPGRPGDPYYASASTRTRSPS ARHAVWGRRGCYPEA/AVRAR EGPHPTLAPASTYGLASPPRAD SAHRPRHRSLTRLLPNRKLGGG SADPRHTERTPTEPDADTRFQP AETLAGPKTRAAGAGGQPWDS ANASPP
15200	45568	B	15290	121	822	
15201	45569	A	15291	1	1308	MLRMVGIEISNGQWSTPPCQVL HLEGNDIYNPK EQGLGNTCRW GWMAAGTRNLCWAPFPLNP VASLVLHSTIQIALQESKDRVL GTLINSPLVTSTDKANWSLRLA LEVGDGGGLVGLSPQPVGSGA MSRCPNCTRKLIGSGISPTSSTL AEEQGSVVKTHSHQGGARCSK EKGWQIL LILVAGLCQLVVVV QNVGVRKIPRKYLAALRVAIGH ALAIERRRIRVDVADQAQDTR DDRSFGRDRNRDSKTDTDWR ARSATDSFDDYPPRRGDDRFGD KYRDRYSDQYGRGYWYEYR DGPCRDMDRYG\GGSGRRAFG SGY/RRDNDYRGGDRYEDRY NRWDDGSCSSRDDFSRDDCRY NDRRPPQRPKLNLPKHNTPKGD DSSASTSQSSRASVFGGAKPV DRAARETKVEEWLQKEQDKLQ HQLDEAKLE
15202	45570	A	15292	2	293	
15203	45571	C	15293	56	298	
15204	45572	A	15294	1	273	TRGPWCDSVLRGCSLEQRSFIS VRLLSYLSACRHPMEDSMDMD MSPLRPQNYLFG\SLGAGAKDE LHIVEAEAMNYEGSPIKVTLAT LKMS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15205	45573	A	15295	3	1024	CGGIHSVLRGCSLEPAFFYLRSA FSPTISACRHPMEDSMDMDMSP LRPQNYLFGCE\LKADKDYHFK VDNDENEHQLSLRTVSLGAGA KDELHIVEAEAMNY\EGSPIKVT L\ATLKMS\VQPTVFPWGAFEIT PTQWSLRLKCG\SGPVHISGQH FSKLLEEDAE\SEDEEE\EDVKL\ LSISGK\RSAP\GGGSKVPQKKS KTLLLMKDDDDDEED\DDDED DG*WMDFGWMEEAEKAPSE RNPIRDTPAKNAQKSNQNGKD SKPSSTPR\SKGQESFKKQKEKTP KTPKGPSSVEDIKAKMQASIEK GGSLPKVEAKFINYVKNCFRMT DQEAIQDLWQWRKSL
15206	45574	B	15296	1	1107	
15207	45575	A	15297	1	1968	MLASMGVVAKEMKYLSSPYPO HAFHTRIKSLMTVNFQAQLWL PNEAGPTGDGDWGGDTHGCPS FSPHLPRFIQKQPWGTGRRLQ EHFSCSLVPVIPSRDIEAFHLH ADLILNTLPSLVIIIGQIESHSEEL RARVSTYESGEDTIQCITVTWK PKYGATRWDKPGSPDGPLEER RLEDLSTRNNSIRLFRGCGYRV KQNSSQRPNKVCGLPDTGVLL QTKCGLVRNSQRSQAQNTNKQH EELFSTAGIPENLSRRQEVLP GHGFTGWVGWTWKLTSGEVTF HHLSATHKLSHASCRQGNFKP KGAMSVTRSTVHPLAFLSAEI NGKCGRPCVFLGIWAINCGMAI LYERLSALVCVSVSERHLDYT MRFLFDIPPSTLEARIGSPLWAL SLHPLRSSTVTSSVELILPECTV AVLEIQYVFLGDTILFTTVGKA RSGTRDRDGGRAQIMQVLQGK GRELDAAAQPEGQLLREVRVL GVFPFIPRARVDAWLVHTVAVG SADEAHGLLGAAAASSTGGAG ASVDGGSQAVQGGGGDPRAAR SGPLDAGEEEKAPAEPTAQVAD AGGCASEENEVLREKHEAVDH SSQRENEERVSALKENSLQQN NDDENKIAEKPDWEAEKTSER NERHLNGADTSFF\SLEDLFQLL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15208	45576	A	15298	1	2104	MKHLKRWSAGGGLLHLLTLL LSLAGLRVDLDLYLLPPPTLL QDELLFLGGPASSAYALSPFSAS GGWGRAGHLHPKGRELDPAAP PEGQLLREVRALGVFPVPRTSV DAWLHVSVAAGSADEAHGLL GAAAASSTGGAGASVDGGSQA VQGGGGDPRAARSGPLDAGEE EKAPAEPTAQVPDAGG\CASEE NGVLREKHEA\VDHSSQHEENE ERVSAQKENSLLQNDDEENKI AEKPDWEAEKTTESGNE\RHL\ NGTDTSFSLAEDLFQLSSQP\EN SL\EGISIWGDIPLP\GSISDGHEF FKHIYHVNFQPRLLS\QD\VNHLH EAILLCPNNTFRDPTARTSQSQ EPFLQLNSHTTNPEQTLPGTNLT GFLSPVDNHMRNLTSQDLLYD LDINIFDEINLMSLATEDNFDPI DVSQLFDEPDSDSGLSLDSSHN NTSVIKSNSSHSVCDEGAIGYCT DHESSSHDLEGAVGGYYPEPS KLCHLDQSDSDFHGDLTQHVVF HNHTYHLQPTAPESTSEFPWP GKSQKIRSRYLEDTDRNLSRDE QRAKALHIPFSVDEIVGMPVDS FNSMLSRYYLTDLQVSLIRDIRR RGKNKVAAQNCRRKRLDIILNL EDDVCNLQAKKETLKREQAQC NKAINIMKQKLHDLYHDIFSRL RDDQGRPVPNPHYALQCTHDG SILIVPKELVASGHKKETQK GK
15209	45577	A	15299	2	342	RRRFRVAAA AVGTA*AVVLSA RPSETWETRGRR*\RICPSSWP* GI*VNNG*K*RRHSVCQCSLWF PARCIKPYHSMARTQPGTRNKE NGPAGPTALDNVASSDDTGRH RPQT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15210	45578	A	15300	710	1831	IRMKSKEIIARCIKPYHSMARTQ PGTRNKENGPAIPTALDNVASS DDTGRHRPQTTQLAPGFAHPLQ LASFRRMVLFSLSGEGRSRGGPE LQFPASCRRGEGSPGVRESGSG GIAATSTPNYPPNQDSKEHDIR GAEHQKQEQPAKPPHTARSAY PPQKSSYPANAKATRHSPETAA AKEARAPAAAQPQRHQPNPSP APHTRPATAATRQPERRVPSPT HRHPAATRLSPRRQSPSPRPHH DRRGFPRLAETLQHPMCPLPLV ASAGHHRHRLLLLLAPQAPER EASDEIVFSGRSRSRGCPTEFQE SAMCFPNPGLPDSCGESQAVTI LILRKFQKVIWVIEVPLDYKKG SWEYFSRMETIIMPENIQSE
15211	45579	A	15301	77	1041	IPSCVVSIGIAAAF/HPGLASDAP ARASSWWTHVEMGPPDPILGV TEGFKRDTNSKKMNLGVSAAYR DHNGKPYSIHKAEAQIAAKNLD EDYLSIGRLAEFCASAEVALG ENSEVSKSGRFVTVTISGTSAL RIRASFLQRFLKFSQDVFLPKPT WGSRTPIFRDTGMQLQGYRY DRKTCGFDFDTVEDISKTPAQ SLLLLHACSHNPTGVDPGPKQQ KEIATVVKKT/RNFLALFDMAY QGFASGNGNKDAWAVRHSAN\ IRHCRCQSYTKNMVLHSEGV GFTMVCKDADEAKRVESHKLI LMCPMYSNPPLNGTRLLLPF
15212	45580	A	15302	1	1263	
15213	45581	A	15303	1	1146	MTGRQSLSPVLSLSSLDMSFT TRSIFSTNYLFLGSVQVSNYGA RPASCMAVYAGAGGSGSRISV SRSTSFRGGMGSGDLAAGMAG GLAGMGGIQNKKETMQSLNDR LASYLDRVRSLETKNRKLESKI REHLEKKGLQVRDWSHYLKTI EDLRVQIFANTVDNAGIVLQID NACLAADDFRVKSLMTNVTWL PLETEMEALKEELLFMKKNHEE EVKGLQAQIASSELTVEIEKSTT VVTQSTKVGAEMTLTELRR TVQSLKMDLDSMRNLKASLEN SLREVEARYTLQMEQLNRILLH LESEMAQSRAEGQHIGEYEAL LNIKVKLEAESATYHRLDDDD FNLGDALDNSNSMQTI/QKTTT RRKVVSETNDTKVL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15214	45582	A	15304	184	370	
15215	45583	A	15305	40	1411	RGDPRVRRRTQSLSPVLSLSPDS MSFTTRSTFSTNYRTLGSVQAP SYGARPVSSAASVYAGAGGSG SRISVSRSTSFRGGMGSGGLAT GIAGCLAGMGGIQNEKETMQS LNDRLASYLDRVRSLETENRRL ESKNPEHLEKKGPQVRDWSHY FKIIEDLRAQIFANTVEQCPTTV L/LRIDSARLA\ADDFRVKYE\T EAGPCAQSVENNIHGLCKVIDD TNVTRLQLETEIEALKEELLFM KKNHHEEVKGL*AQIASSELT EVDAPKSQDLAEIMADIRAQYD ELARKNREELDKYWSQQIEEST TVVTTQSAEVGAAETTLTELRR TVQSLEIDLDSMRNLKASLENS LREVEARYALQMEQLNGILLHL ESELAQTRAEGQRQAQYEAL LNIKVKLEAEIATYRRLLEDGE DFNLGDALDSSNSMQTIQKTTT RRIVDGKVVSETNDTKVLRH
15216	45584	A	15306	392	1449	GPWEMLMTIKSHPDARQPQR VKKLTQVFWSSASLRER/GKTY LFWPKLKAAEIPAAAYREALDE ALGISGGGRDVGERSVYKGPSM MANPQKPVLEALSSNKYLHILC AKHCDRHEGYKDEIKVKEASS RVNGCVEAMLSAPLPLDRRNE HVESKGGKPFMGLSPRVLSASR RDGLRERKGSFFRTVVLHDTKT DSNSDTETNSSTPPRTLLEMQIL SPTWTYEISSRTLGCGPSVFQQ RASYSVSPVSGPRLGCPLMDGGR MRCPPGNPESCVSEANLIPISVP VAPHAHQHLVLSVFWKITIVIG GKTCVAQNHSNEAKMKQRPEI NHASPPGAFAWSQSGEPIASAM TVPA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15217	45585	A	15307	1	785	MWDVVGQDSSLLRGAGGPGLQL WFGRLQLHLGGLREHRDAWV HSRGLGSCSGMQGAATPTQNG RGSCLSPAPASSMEHAAPAVPP CCSWCDSSSRSRWPATATTETG PRTVPSAQESAVGLLTASLLKG DSGSTGFCPLLMSLAAPGTQQC SLGFCCTFERKRSSVSPAAPGTA APELAAALMLMPRKNQIAVYE LLFKQGVVMVAKEGVHLPRHPE LADKNVNLHIMKAMQ\SLKSQ GHREEQFAWRHFYWHLTREGI QSIQ
15218	45586	A	15308	1	392	
15219	45587	A	15309	1	716	
15220	45588	A	15310	150	372	RRSNEWGVVPVPARTGGG/HG QKTPSPPLPPSPPPSPPPPPA \\APAKIPPLPLPPLPPREAPPAP GPALP
15221	45589	A	15311	218	740	KSCPETVSRRKNVGSIKKHQGD KFNPVCLKMTTKTEFVLCGWV PCRCL/REGEEETVTTLDYSHCS \\LEQVP\\KEIFTFEKTLEELYLDA NQIEELPKQLFNCQSLHKLSPD NDLTTLPASIANLINLRELDVSK NGIQEFPENIKNCKVLTIVEASV NPISKLPDGFSQLNLNLTQ
15222	45590	A	15312	96	297	
15223	45591	A	15313	469	5174	KMTSLAQQQLRLALPQSDASLL SRDEVASLLFDPKEAATIDRDT AFAIGCTGLEELLGIDPSFEQFE APLFSQLAKTLERSVQTKAVNK QLDENISLFLIHLSPYFLKPAQ KCLEWLIHRFHIHLYNQDSLIA CVLPYHETRIFVRVIQLLKINNS KHRWFWLLPVKQSGVPLAKGT LITHCYKDLGFMDFICSLVTKS VKVFAEYPGSSAQLRVLLAFYA STIVSALVAAEDVSDNIIAKLFP YIQKGLKSSL
15224	45592	A	15314	267	495	GCLL**CLCIRL/SKNRAERALR PYSDVEALRLSSDFPFRQRPKG GSGWSLLSVEINQYYGPRVMIG RSNSEVVLVL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15225	45593	A	15315	3	3027	AMEQAGTRPAATEHPRLRRPM PWLLLLPLLLLLLLLLPGPAASQ LRYSVPEEQAPGALVGNVARA LGLELRRLLGPGCLRINHLGAPSP RYLELDLTSGALFVNERIDREA LCEQRPRCLLSLEVLAHNPVAV SAVEVEILDINDNSPRFPRPNYQ LQVSESVAPGARFHIESAQDPD VGANSVQTYELSPSEHFELDLK PLQENSKVLELVLRKGLDREQA ALHHLVLTAVDGGIPARSGTAQ ISVRVLDTNDNS
15226	45594	A	15316	1	775	MPCVNGKYNSTIQAGLQMAQI LQDEGPYEVGIDEETGSQKGDG IIRSSRKLFTMALFLETNLLKD PLSRERRWRDLDELDSGGREKG VAVFLRSAGIRQVQVAMEQAG TRP/AATEHPRLRRPMPWLLL/L PLLLLLLLLLPGPAA/SQLRYSV PEEQAPGAL/VGNVARALGLEL RRLGPG/CLRINHLGAPSPRYLE/ LDLTSGALFVNERIDREACLGS AGANPVAVSAVEVEILDIN/DNS PRFPRPNYQLQVTARCWWTSW
15227	45595	A	15317	2	165	
15228	45596	A	15318	1239	2251	TCSSRARRPRRGRTVSQVRGPA PWAPRRARLQQRGLRGAARS PASPTSA/PSYSRASASAGPAAL QPQGA VTPGPSANLAAPGGTL VPAEGPRMPVTAQSASSHPAP SASQPSSPAAASRGLSVPQEV ATLLASASSPTLDATRDAPATP RIAAPGSATSSRGLGSAQGGSS LGTKESISDSFGLGSPA V TQRTT APPDSAALSQDTRPEAAGSWPG PQTGACSVGSGTDRRD TAAAT EAQHLSSSEKETS AQKSGNCF GILKADFTISTLMDPEEMKDQF LRQVRLPSTDALKKQISNYRP PGKGKPPQYLGDSA WNMVSA GTIEGFYKE
15229	45597	A	15319	46	2859	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15230	45598	A	15320	240	924	NGEQKCILCHIVYSSKKRH\SHE CRRCGPTEVSL SAYAKHISGQL HKDNVDAQEREDDGKGEEEE DYFDKELIQLIKQRKEQSRQEPS SSSQEVNSDDSSSATFSVSIFYV WLKTILLLTWPKEVKRLDTPGL ELWLVPNMAELSEPEGPVDWK ERCVALESQMLKFRVQASKIRE LLAEKLHHNERLEYRDQRKDS ASFQRKKQFTYKASGIEMASDL SKAPLEIRG
15231	45599	A	15321	3	755	LRLPRRSTRTRRGIWVRTGAAM GKVNVAKLRYMSRDDFRVLT VEMGMKNHEIVPGSLIASL KHGGCNKVLREL VKHKLIAWE RTKTVQGYRLTNAGYDYLAK TLSSRQVVECVG\NQMGVKG\E SYIYIVANEEGQQFALKLHRLR RTSFRNLKNKRDYHIHRHNS WLYLSRLSGMKEFCYMKQFCD EQGSQLRIHMMGGQMWA VPIQPRDLFVWFVLR AEACAGCGATSQQRGALGVTSTCYRD
15232	45600	A	15322	1	1028	MNKTITTQEEVLPLQADVQRE EELNSLKQKLAAALLAEQEPQP ERLVSELQL\PRKAAVFQDEILR SSRQLVLPGLVHRHVLVCC GGLRCPLAGGLAAASVGRGL VDCDVVEMSNLAYQVLHGEAL AAQAKAASAAASLRGLNLAPP PAETVTNCADGGMLRVLTGVL GCLQPLKVLKIAASLGPSYSGS LLFDALRGHFCCIRLRSCRLDC AACGKWPTVTHLLDYEAFCS SATDKCRSLQLLGPEDRVSVTD YKRLDSDGAPHL LDIRPKMEL PRKAAVFHDEILRSSRQLVLP ELGVLRHLLVVGCGGLRCPLAQY LAAAI VGRGLVAYDVV
15233	45601	A	15323	92	778	QGTRRWSLGTCSLMTRTQFEV CTKVCVQESLQRPGEELKTRCP SVGAGYVNYGTPAHERI/GAAV KTGREADKPEVTQTFSTRK DE/TSLFGVPLQ*LLARHRAPP* RRT/RLLEVARTPMLPAQASR SELAARQDSAWASPAAPASN/ RSVLRRCLLSARPLCGPL/LRV LPSWRRQQIRENSAED*LHSEY RANRIRRRRGHPEN/WTKS*LE NPENLTRSSSAPAPC
15234	45602	A	15324	142	500	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15235	45603	A	15325	3	343	
15236	45604	A	15326	1164	1648	PLMTSAPWPSCCCWRSLSGRP AGRQRQLPTSITTANQPAPSR KKSTSRKKQRNLPAVSPAMVAI VRRSCDLRWVSVLHYASQERR VRDAAKPESDARKRTTTKTRR/H WRYIKELESRQPGVADMRQQP TQLVEVPWNEQTPEQRQQLQ RQHGRETRCSV
15237	45605	A	15327	28	417	
15238	45606	A	15328	2	440	
15239	45607	B	15329	1	441	
15240	45608	A	15330	22	584	IRGRVDPPSAVEPPPKMQIFVKT LTG\KTITLEVEPLGYG*KNVK AQASRDK\EG\PPDQQL\IFAG KQ\LEDGRTLSDYNIQK\ESTL/ HIFVLRRLRGGAKKRKKSYTT\ PKK\KHKRKKG*SLAVLKYYK \VDE\NGKIS\RLRRECPS\DECGC WGVYGVQVTFDRHYCG\KCCLT LLFQQTRMTSNCMS
15241	45609	A	15331	3	954	LDARRHWEGTPGFTHTSPDAW ADAWGKMAGEKVEKPDTKK KPEAKK\VDAGGKVKKGNLKA KKPKKGKP\HCSRNPVLLRGIG RYSRSAMYSRKAMYK\RKYSA AKSKVEKKKKEKVLATVTKPV GGDKNGGTRVVKLKMPRIY PTEDVPRKLLSHGKK\PFSQHV RKLRSITPGTILILTGRRHGR VVFLKQLASGLLLVTGPLVLNR \VPLRRTHQKFVI\ATFTKIDIS\ VKIPKHLTDAYFKKKLKRPRH QEGEIFDTEKEKYEITEQRKIDQ KAVDSQILPKIAIPQLQGNLRS VFALTNGIYPHQLVF
15242	45610	A	15332	670	1008	WCILGVTPSLMSRTALFLSRHT FFA/RSHSAASKL/EKKKKEKVL ATVTKPVGGDKNGGTRVVKLK KMPRIYPTEDVPRKLLSHGKK PFSQHVRKLRSITPG\TILILTG\ RHRG
15243	45611	A	15333	1	708	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15244	45612	A	15334	1	1754	MRNEISDLTEELHQKEITIAVT KKAALLEKQLKMELEIKEKML AKQKPWACLVNAMP AIQVVFN LGRFRKCQDPHKAQEWVYPGY SGSDCEVFPEIMTSKNREEAMP EWKLWKKVVLSGATDAPSWD GPTFTDLNVFAGNMGLSDCTLS LGKIWKIPGHFLHTSGPVSFHT KGLLNTPTKERWVGFGSEGR GVPEPGGCFGLAVPRRTPPSA AAMTGERLGRAWAGDRAAA SRSAPVPGTFGMMGWRPVAFG KNAKAYRGFGGIVTSLTPSCDK VTLLFVRILPGSGQSRDQSSPEK LTDTKSTSNKAYGFPECLRRPE STHIFFYDHLGSEQPRGTKGT PLKWVSQKTLERETRQCQALVI WTD CDREGENIGFEIHHVCKAV KPNLQVLRARFSEITPHAVRTA CENLTEPDQRVSDAVDVRQEL DLRIGAAFTRFQTLRLQRIFPEV LAEQLISYGSCQFPTLGFVVERF KA IQAFVPEIFHRIKVTHDHKD GIVEFNWKR/LSTL*PHGLPSSL SVVCGVRSLSRSVGFVCWRSTP DPVCLCITSGGCRTASIAEQQKL LPDPSYRSFIPEGQPPI
15245	45613	A	15335	3	125	
15246	45614	A	15336	764	1005	
15247	45615	A	15337	1	3533	MELVNCVLMSTLGNTCCPMAI AMFRSSSSLPRPGHSLTGSPLRV NLIHIKFP LNDFHQNVVKIKNK DPPLGAAIGKESCPIADNELHSL ERRPLSPKL VQALGVAGLSRPG PPHTGCAIWLLITD HKLLSEIL YDLLHQGLDILADPPDEGGIPR GKNLVELLQLPGLEEDKAFQKE IGLKILVFKAYSTLSSDG PPLFS ALRSLQGVQSSKVGESREEKSQ TEEDPGNPWVPQSLGASVSSS GKWGCLRTKP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15248	45616	A	15338	1	2800	SISGPGQEAVPLRPKAEPPEGSG MVWDRQTKMEYEWKPDEQGL QQILQLLKESQSPDTTIQRTVQQ KLEQLNQYPDFNNYLIFVLTKL KSEDEPTRSLSGLLKNNVKAH FQNFPGVTDFFKSECLNNIGDS SPLIRATVGILITTIASKGELQN WPDLLPKLCSLLDSEDYNTCEG AFGALQKICEDSAEILDSDVLD RPLNIMIPKFLOFFKHSSPKIRSH AVACVNQFIISRTQALMLHIDSF TENLFALA
15249	45617	A	15339	8	450	TWSWSPQAPSWARPSSQARAV SLLVARGQLCQGSRRRSGVGSR VDAGAARTALRTLGTPLRRP CGLGSHETKAAASGQDQGRGS RGRGSLGGRELGANPLYQ/WR AHTLTVLFILTCTLGVTLEET PQDTAYNTKSEIAVVHLS
15250	45618	A	15340	246	559	MPVAVMAES/AFSFKLLDQCE NQELEAPGGIATPPVYGQLLAL YLLHN/GQRIWQRDFPGIYTTIN AHQWSETVQPIEALRDATRR RAFALVSQAYTSIIADDDFA
15251	45619	A	15341	129	915	RSGTQGRSAATAALNVIAGATP EGQSWGLAVRTVQRRGRPAK MPVAVMAESA\SFKLLDQC ENQELEAPGGIA\TPKVYGQLL ALYLFHNDMNNARYL*KRIPPA IKSANSELGG\IWSVGQRIWQR DFPWG/IYTTINGHQWSETVQP IMEALRDATRETAPLPWVSQA YTS\IAR*FCQPLLGLPV\EEAV KGILAEQGW\QA\IDSTTRNGSCP GKPVCGRPVDVFPFNKFISLYS EPAPV\PPIPNEQQLARLTDYV AFLEN
15252	45620	A	15342	1	529	MATLTISRAQTEADYYCHRI KLVKEGLDERTHKAYLSSSGK GCEFHMVKPGSPLGPDILGWSA QSALIQPPSVSGSPGQSVTISCT GTSSDVGSYDYVSWYQQHPGT VPKPMIYNVNTQPSRVPDRFSG SKSG\NTASMTISGLQAEDEAD YYCCSYAGSYPVVFGGGTKLT
15253	45621	A	15343	399	737	WISGGNSCATT/LSDAGLSTTSN SIGSAT\GARQAESASSQSGGGA LGRHCGASGKCAESLRREPVG ATNQWAPGWVVGPRPASDSSHV VIGLGRSAWSPA EVTPLIPGRG RTK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15254	45622	A	15344	1	4320	
15255	45623	A	15345	1	966	MNVNLAEEKGKETVGDEIKG GGIQMVMLASQPLTSYCAARFI TGHGQKLKSELKKTLLQVIMLNI QKVRIPTRDGYNEKDILSTGKN VEKLELSNIAGYPSNIEKKEYQE QSVLSCCSEKDDANPKSVVCSF FMQEQCTKGEKRFILPGTSLSD RHLRYFGILPTVSNAAVVKEVP TVSNAAVVTEAPTGSNAAVVT EAPTGSNAARVMEVPTGSNAA VVTEVPTGSNAAVVTEAPTGSN AAVVKEAPTGSNAARVMEVPT GSNAAVVKEAPTGSNAARVME VPTGSNAAVVKEVPTGSNAAV VKEVPT/GSNAAVVKEAPTGSN AARVMEVPTGSNAAVVKEAPT GSNAARVMEVPTGSNAAVVKE VPTGSNAAVVKEVPTGVTLRW SRKRPRE
15256	45624	A	15346	1	702	
15257	45625	B	15347	238	546	
15258	45626	A	15348	632	2361	FQSRTFLKNWNPGEQSQKII/CF QLGERAYQTDVLVKVPRQSSV FSENQRMNNPERWFESTGCGK TYNQNRFAFNQHQRFHSGEKTY EHNECGKAFSWPSILSKHQRIH TGKKLYTCEDCGKSFSVHSYFI QHCKIHTREKPYECIKCGKAFS THSSYVQHLKIHTGEKHHECNQ CGKAFSHSSNLIHHQRIHSGEKP YKCKEKGKAFNRQSNLIQHQR HSGEKPYPDCKEGKAFSTQLFL IQHQRIHTGEKPYECNECAKSFS LNRTLTVHQRIHTGEKPYRCNE CGKSFSQCSQVIQHKRIHTGEK PYICNECGKSFGARLSLIQHQR HTGEKPYGCREKPYECSECGK AFSQSFNLIHHQRTNNGEKS CNECDKAFSLSSLVQHQRIHN GDKPYECHKCGKAFSQGSHLIQ HQRSHIGEPYECNECGKTFGQ ISTLIKHERTHNGEKPYECSDCG KAFSQSAHLIHHQRIHTGENPY ECSECGKAFNVCSLIQHHRHT GEKPYECSDCGKAFSQHSQFIQ HQRIHTGEKPYMCNECEKSFS CLSLIQHKRIHTGEKPYVCAKC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15259	45627	A	15349	3	354	EAFGGERVSSMSGSLSGPPARR GPFPLALLLLFLLGPRLVLAISF HLPINSRKCLREEIQQGPASDW RVRDLRPVWGRWRPAQ/RTSRS QILLAIFSTPKRMQPRGNLPLTT EDYDMF
15260	45628	A	15350	283	393	YVYRRYGRFE*NDPSSALMST* GKRCQDCLDQRENKK
15261	45629	A	15351	1	351	
15262	45630	A	15352	1	867	
15263	45631	B	15353	1	1323	
15264	45632	A	15354	1	3669	
15265	45633	A	15355	362	1039	LESYLQLPSAEGKTVSVFGETC ATPVGP/AAGPHTQ/LAQNIVTS WLTGGRFIELKTVQILDRLELE KPCIDAEDFCNTEWSTFTLL KAWDEYLKAWFALHLLLEAMF QPSDSGKSFIFNMSVGYNLEGQ PLNPKNYP SQGVPRVLKSHRQD YLVGNKLSWADIHLVELFYV EELDSSLISSFLLKPHTHVDNT KKGSHPHMCAYTDYVNNPND RMPQREITFVS
15266	45634	A	15356	74	208	QRLTKLRETSRRLLSWQRSPSS TTSMHGAEWSPPRWLLAAAGV EFEEKFIKSAEDLDKVRNDGYL MFQQVPRLRLMG*SWSRV
15267	45635	A	15357	308	735	NQRCTWAYSMTMEIFLISCVKT LSVRYAVQQLKTGVFCSLETQP SKMAPAKKGSKKKKGHS/AIIE VVTQENTINIQKHIHEVGFKKC APRALKEIQKFAMKEMGTPVV LIDTRLNKAVWAKRIRNVTNRI HLCLSRKCNEDKE
15268	45636	A	15358	3	323	LSSLASMSFTTCSAFTNYWSPG SVQVPSYGTQPVSHAASVYAG LGGSGSRISVSHSPMAGGLAG MGGIQNEKETMQSLRDLASY LDRVRGLETENWKLESKIQEH
15269	45637	B	15359	1	991	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15270	45638	A	15360	40	1030	RGDPRVRRRTQSLSPVLSLSPDS MSFTTRSTFSTNYRTLGSVQAP SYGARPVSSAASVYAGAGGSG SRISVSRSTSFRGGMGSGGLAT GIAGGLAGMGGIQNEKETMQS LNDRLASYLDRVRSLETENRRL ESKIREHLEKKGPQVRDWSHY FKIIEDLRAQIFANTVDNARIVL QIDNARLAADDFRVKYETELA MRQSVEN\DIHGLRNV\DDTN YHTDLQLETEIEALKEELLFMK KNHEEEVKGLQAQIASS\GLTV EV\DA PK\SQDLAKIMA\DIRAQ Y\DELAR\KNREE\LDKYWSQQI EESTTVVTTQSAEVGAAETTLT
15271	45639	A	15361	1	438	LHSDDL\SLQMLRCSPVATAASY TSGPGAPISSSFSRVGSSSFQGG LGGGFGGASGIGGITAVMVNQS LLRPLNLEVDPNIQARF/VHTQE KEQIKTF/NNKFASFIDKVRFLE QQNRMLEAKWSLLQQQKMAQ SNMDNMFQSYINN
15272	45640	A	15362	176	1455	EIFPLVIQKSYKVSTSGPRAFSS R\SYTSGPGAPISSSFSRVGSSS FQGG LGGGFGGASGIGGITAVM /VQVLHTQEKEQIKTF/NNKFAS FIDKVRFLEQQNRMLEAKWSL LQQQKMAQSNMDNMFQSYIN NLRWQLET LGQEKLKLEAELG NMQELVEDFKKKYHDEINKHT EMENEFVLEKDVDEAYKNKV ELES HLEGLTDEINFLRQLHEEE IWELQSLISDTSVVLSSSHSLD MDNIITEVKAQYKEIANCSWAK ADSMYQIKYEDLQMLARKHGD NLRCTKTDISEMNQNVSWLQA EIKGLKGQRASLEATITDAEKR RELAIKDANTKLELEAALQW AKQDMAQQLRVYQELMNVKL ALDIKTATYKKLLEGEESWQES RMQNMSIYSKTTSGYAGGLSS AYGGLTSPPLSYGLSS
15273	45641	B	15363	70	915	
15274	45642	C	15364	62	217	
15275	45643	B	15365	1	612	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15276	45644	A	15366	3	841	STPKMPKGKKAKGKKVAPAPA VVKKQEAKKVVNPLFEKRPN FGIGQDIQPKRDLTRFVKWPRY IRLQRQRAILYKRLKVPPAINQF TQAL\DRQTATQLLKLAKHYRP ETKQEKQRL\LARA\KKA WPKGTFTKRPV\LRAGVNTVTT LVENKKAQLVVIADVDPIELV VFLPAL\CRKMGPYCIK GKAS LGRIVHRKTCTTVAFTQVNSD KG\ALAK\LVEAIRTNNDRYD EIRRHWGNGVLGPKSV\ARIAK LEK\AKAKELATKLG LNVHC
15277	45645	A	15367	2	1006	WINLKGNLLRKRSLSNFWPCK LRSKRHTTRNLRMNLWLSSH PPQSQNTKPWCCQLSCSTSLT LLGTSLPLLSYLIHLIPGPRQYP VIHRTSTLLLQHISVGKEKFHKS QHWGFCNNVMMLQLQLSPLK GLSLVDKVNRPALSGTRVLAS KTAWRIFQEP/SEPKTAAAAPG VEDEPLLRGNPCRFVIFPIEYHD IWQMYEKAESFWTT\EEVDLS KDIRHWESLKPEERYFISHVLVF FAASDGIINENLVERFSQIVQITE ARCFYGFQIAMENIHSEMYSLLI DTYIKDPKEREFLFNAI/ETMPC VKKKADWALRWIGDKEATYG
15278	45646	A	15368	3	1368	QAQPMGRVGGMAQPMGRAGA PKPMGRAGSARRGRFKGCWSE GSPVHPVPAVLSWLLALLRCAS TMLSRLVPLAPITDPQQLQLSPL KGLSLVDKENTPPALSGT\RVL ASKTARRIFQEPTPKTKAAP GVEDEPLLRENPRRFVIFPIEYH DIWQMYKKAESFWTAAEVD LSKDIQHWESLKPEERYFISHVL AFFAASDGIVN\ENLVERFSQEV QITEA\RCFYGFQIAMENIHSEM YSLIDTYIKDPKEREFLFNAI\E TMPCVKKKADWALRWIGDKE ATYGERVVAFAAVEGIFSGSF ASIFWLKKRGLMPGLTFSNELIS RDEG\LHCDFACLMFKHLVHKP SEERVREIINAVRIEQEFLTEAL PVKLIGMNCTLMKQYIEFVADR LMLELGFSKVFRVENPFDPMEN ISLEGKTNFFEKRVG EYQRMGV MSSPTENSFTLDADF



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15279	45647	A	15369	2	621	RFIKMLSRHHQHVVHVLPLLRA PLPVAMEEEIPALFIDNGSGM/C KSSFA/GDNALRAIFPSIIGHPRH QGVVMVGMGQKDSYVGDQAQS KCGILTLKYPIKHGIVTNWDDM EKIWHHVVFYNELCVALEEQVV LLTEAPLNPRANREKMTQIMFK TFNTQAMYVAIQAVLTLHSSGC TTGIVMDSGDGVTHTVPIYERH TLPHTILHLDL
15280	45648	B	15370	1	966	
15281	45649	A	15371	2	228	
15282	45650	B	15372	1	816	
15283	45651	A	15373	256	384	RKLLNEAPC*PMR*HSLNRLA TSCNSWTVPVVPKFSKLRRGL
15284	45652	A	15374	145	375	KIAGKNRLNRNQCKERKVQVL WISEKKKQREAVEDSPSLDCCH KFPPGS*ERLHG*KRGQWF*PP HTVEKQMRSCLL
15285	45653	A	15375	319	482	
15286	45654	A	15376	4776	5910	VCSTAGDVNGVCLLYDLLHIA VASGSAGGECFFARKPLLAEGV IYDCLQEFKEKKLVPAHPAQV LSYEALLSAHDTIAQKDFEPLLP PLPDNIPESSEAMRIVCLVKNQ QPLGATIKRHEMTGDILVARIH GGLAERSGLLYAGDKLVEVNG VSVEGLDPEQVIHILAPRCLSP MSLADLPPLPREVLVLGAKLPV PSSSFLQPREDCQGPQPSSLIT WFAPLETEPGVDRAMSRGTIMF KVVPVSDPPVNSQQMVYVRA MTEYWPQEDPDIPCMDAGLPF QKGDILQIVDQNDALWWQARK ISDPATCAGLVPSNHLLK/RIWT EPGICIFTKRLRCSGKQREFWW SQPYQPHTCLKSTLCEYCNCPT
15287	45655	A	15377	2	405	WSLVTRRALARVGLPG/SPPPR LLLPLLGWGLRVAAAASASSS GAAAEDSSAMEELATEKEAES HRQDSVSLTIFILLTLTILTIWL FKHRRVRFLHETGLAMIYGLEK ITIGVLDITGWPYCTIQPYNGFL
15288	45656	A	15378	1	3804	
15289	45657	A	15379	349	622	RPDVANLAFLARKEGTRGFLS KKTAEASRWHEKWFALYQNV LFYFEGEQSCRPGMYLLEGCS GGTSPRSFRSSSRDSPISILHPT AK
15290	45658	A	15380	314	483	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15291	45659	A	15381	352	822	DPRRVQAFPAKMKFNPFVTSDR SKNRKRHFNAP\SHIRRKIMSSP LSKELRQKYNVRSMPIRKDDEV QVVRGHHYKGQQIGKVVQVYR KKYVIYIERVQREKANGTTVHV G\HPSRVVITRLKLDK\DRKRIS DRKAKSRQVGKEKGKYKEETI EKMQE
15292	45660	B	15382	80	432	
15293	45661	A	15383	11	888	VKCRKAEGRRSRLQTFEESQA VEAAMANVPWAEVCEKFQAA LALSRVELHKNPEKEPYKSKYS ARANMAEEVKALLGPAP\EDD ERPEAEDGPGAG\DHALLGLPAE VVEPEGPVAQANRLRLAV\NEF HLGVNHIDTEELSAGEEHLVKC LRLRRYRLSHDCISLCIQAQT WRCIGVRDPPTSSCAFLSTSPTP VHSVKKIQTPGPLRPSNSTLVD DMESSFQTCFASPLSQDYVNGS NQEEIGTGVDRCIHKFLDIARQ NISFLQKRLQLSVQKPEQVINED VDVSELRNE
15294	45662	A	15384	1864	2705	WPGKVL AHRGLHPWHRDPHGS GGGAGQELRRQGGCLEQLLYD AAHAQRLPPLDSVLPRAALPQD CQRASACEGDPTLLRPSHSPGH PRGAEER/VPSTACLQRSWEGR/ WNRALQQVGGGLKSPWRGEYK EPRHPPPNQANYHQT/ACP AE R/CFRQGPQGPQQLRRQQA EPL SSSLLSHQSPQSQTSLP*L*AR RSLGCGNPYLCPPWSQPLPETP AHQSGKQPSRSRNCSSWK*NYS STACPSHFLWRSRSKFSRASAST ASPCRMTVRRTHQRPLKARGTP
15295	45663	A	15385	1113	1378	RPHAESFVSGGIPDPPGPGPGST GPGPL/ERQPCSLTSWPREPPSSS SMKMLTQGPSLTAPYKGTILGE VNPAHAISSARNTSSRTSV
15296	45664	A	15386	285	722	TPAHPGVPPGQSGRHRHW/QSA ARSQLQPSAW*PKTGSLFATTW RCQTRASTCSAHWPLMAASPG AGGSSMASWR/DRP*PCPPPPAP HLPEAAFLLR/CHDACP*NTGSA VPRGSCQPPAQQWDQGLAATR WGQAERLPRIYNWALAPP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15297	45665	A	15387	207	605	FQASAERFGTEDD/GSLRTRPPV MQSHQWPWRRPRPLVSRGRPQ TTPERHDSGGSLPLTPRMESH EDEDLA/EGCRWP/EAGTVGVP GPRAQGAAQR/QAVLARKKHR RRPSKRKRHWRYLELSWAEEK QQRDERQS
15298	45666	A	15388	193	407	ACPKTSKNLRQRRLLWNLAKHE F/SVDMTCGGCAEAVSRVLISLE VRVKYDIDLPNK/KVCIESEHS MDTLLATL
15299	45667	B	15389	321	625	
15300	45668	A	15390	275	690	SLWPPVIRG/SPKGNRPAILTYH DVGLNMANKKSGDHPEREGTP RSFREVVSAFGPGSSKLQIPKGS APRCGVPGRGARRELQSFRAGP RTQGSVPGRQSRRLRSAQEE SAKARHGGLRAHRFSWDIRM SSKERKFS
15301	45669	A	15391	2	137	PGRYRPN*LLLSDASPGAGNEF QSTFLTPTILPSLRFPVLYTPNS
15302	45670	A	15392	1	648	MSLRKLTIMVEGKGGPNIPHAC GCRQRSSIKVSLPAVTSKSESP KEPEQLRKLFIGGLSFETDDESL RSHFEQRRTLTDCAVMRDPNT KCSKGFVFVYATMEEKYHTV NGHSCEARKALSKQEVASASS QR/GRSGSGNFGGGHGGGFGG NDNFGHGENFRGHSSFGGSHG GSGYGGSGDDYSFGNDGSNF GGGGSYNDFGNYSNQSSNFGP
15303	45671	A	15393	1	3629	MTGICYTEDERSYKKNAPTA ASKKQKETQKFLRVDGQQKV KLSVLQEKSAQLTVQLKSQKFL GHPTAGRGRSELCLDLPDPED PVALETRSVGTWVRERDLGMP DGEAALAAKVAVLETQLKKAL QELQAAQARQADPQPQAWPPP DSPVRVDTVRVVEGPREVEVV ASTAAGAPAQRAQSLEPYGTG LRALAMPGRPESPPVFRSQEVV ETMCPVPAAATSNVHVMVKISI TERSCDGAAEMKWEDQNIGD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15304	45672	A	15394	1	1515	MGQVFRVVTGVGEQPGHPDQF PYIDSWLSIIQNHPKWLQACFET YCKTLMAQIKPGTIERDCKASV KEKDSQEKQKKPVLQAPPEELE SPALYAPIYPSLARLRQEAAPA APRGSDSEESTPQATPCREEPEP LPEKETSSSYRSNAVHFLIHNPT WADCKQLLQSLFNTEEHHRVI QAAFQWLENNAPAGTG YIRQY AQQALPIEADTGWDPNQAQGL QSLQWYREALLNGIKAGGKKA TNIGKVSEVCQKPDESPSEFYER LCEAYQLYTPFDPEAAGNQCM VNVAFVSQAQGDIKRKLQKLE AKAVLRGKFIALNTYIKKAERA QTDILRSHLKKELKKQEQTSKA SRRKDVTKIRAELENEITTTKI QKINETKSWFEKINTINRPLAR LTKKSREKLQITSLRKEMGDTT TDTTEIQKIIQGYEHL YAHKLE NLEEMNKFLEKYNAPSLNQEEL HTLNRPIRNSEIEVVIKKLPTKK/ SPGQDGFRAESYQIFKEALV
15305	45673	B	15395	1	1077	
15306	45674	A	15396	69	290	YYFDSPHPLHLSGTLRPGGSQR FPCDPQFLCRLHHTLASL*SLPG DLLRGLLHKLVC RVERLDLASL YAVGR
15307	45675	A	15397	62	201	
15308	45676	A	15398	3	429	LPSSVPRQPKMQARCLSR SIRA VEIYESDLEEGQGLLHEFSQFVL DRPPPTQSR YAQELVHTCYLHT LASL*SLPGDLQRGLLHKLVC R AERLDLASHHAAVGRSE LFFW TPYTHSPPGAGVGHPFPWHTRL PWGVPAEGHQ
15309	45677	A	15399	303	612	PSSSIPVYHCSLRGICIPVLGLKR AANVGVSLEASPLLSTPGGLGI CLSCGGTRTVGSRVGSIFPW*G EGTTGITGSISCKGSSDVGSNRT SGVDFPRRVE
15310	45678	A	15400	1	273	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15311	45679	A	15401	1	406	MEEGWIRLPDGRVAAPQLLGA AVVLAVQETTHRGQESLEKLL GRYFYISPLSALAKTVRQRDFA DFGTTIKQDFRLLGQTSVDRLL QLSQGQAVKGNQLLPVSLTSQ CQVYKCVWNWWVLGLTDFKN EATDPPGVKLQTFVSVTTHKG SVDPNSEKQDQLLQRAKEQSFH SVEGDPSRDFADFGTTIKQDFR LLGQTSVDRLLQLSQGQAVKG NQLLPVSLVKRKTTLAPNTQTA SPRALADSLMQLARQVSR*RAI SCCPSH*LPSAKCISVSGIGGFL VSLTSRMKPRTLLE
15312	45680	B	15402	1	930	
15313	45681	A	15403	391	617	LQLQPTG/CNFLYFYVGYMKIL GFCFHHIVEERGGCLWYPCFYC NLSLLGG*RSCSHTRIVPSLLMP KLGPGGQVC
15314	45682	A	15404	1	1860	
15315	45683	A	15405	1	531	
15316	45684	A	15406	2302	2691	
15317	45685	A	15407	520	2883	
15318	45686	A	15408	3690	4727	ENCHWGCHEPCDIGSSIILSPLA YWEQYHRVTYISRDEGSIIVFP ALVTMLRNLFILAGSSDPHFHT PMYFFLSNLSWADIGFTSATVP KMIVDMQSHSRVISYAGCLTQ MSFFVLFIACIEDMLLTLMAYDR FVAICRPLHYPVIVNPHLCVFFV LVSFFLSLLDSQLHSWIVLQFTF FKNVEISNFVCDPSQLNLACS DSVINSIFIYLDSIMFGFLPISGIL LSYANNVPSILRISSSDRKS KAF STCGSHLAVVCLFYGTGIGVYL TSA\VSPPPRNGVMASVMYAV VTPMLNLFYSLRNRDIQSALRR LLSRTVESHDLLSQDLLHPFSC VGEKGQPH
15319	45687	B	15409	1	3195	
15320	45688	B	15410	1	1819	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15321	45689	A	15411	399	1089	LLTPRTDLQEMPLDNAEIEWYT DGSYLRGEVFQWYDHLALIFVP QTGIEDVIWHIEALPNYIQKVCE RRNPYNQILSLQCAQHEIFLVS WKLVCCKQLEGDDDDMLVGTTA SNLLESEQSTSNLNEKINHLEY EDQYKDNNFGEENDGGILEDK LISN/NMGGPDSPDSVNPVE/P/M PTMTDQTTLVPNEEEAFALPI DITVKETNAKRKRKLIVDSVKN LDSKTIRAQLNDY
15322	45690	A	15412	3	809	FKDDDDMLVSTTTSNLLLESEQS TSNLNEKINHLEYEDQYKVDNF GEGNDGGILDDKLISNNDGGIF DDPPALSEAGVMLPEQPAHDD MDEDDNVSMGGPDSPDSVDPV EPMPTMTDQTTLVPNEEEAFAL EPIDITVKETKAKRKRKLIVDSV KELDSKTIRAHLSDYSDIGTTLD LAPPTKKLMMWKETGGVQKLF SLPAQPLWNNRLLKLFTTRCLTP LVPQDLIKRRKGGEADNLDEFL KEFEHPEVPREDQQQ*HQQRD VIDEPII
15323	45691	A	15413	1	595	MVNRSHFRGVGEPCHQQNSHG HLNSITETSNSPTLRAAPLQPTR DPSDMAVFEIDELPEGAVKPPA NKYPIFFFGTHETAFLGPKDLFP YKEYKDKFGK\SNKRKGFNEGL WEIENN\PGVKFTGYQAIQQQS SSETEGEGGNTADASSEEEGDR VEEDGKGKRKNEKAGSKRKKS YTSKVTKLLIVINVICISIKHF
15324	45692	A	15414	41	785	GKGWAGGASGPANHGAAGG RSPGMLRGDQGLPGRGAAGM ARPRSRE\YKAGDLVF\AKMKG YPHWPARIDELPEASVKPPTNK\ YPIFFFWHPMKPAFLGPQ\DLFP Y*EYRGKFGK\SNNRKGFNEGL WEIENNPGS/IRFTGYQAIQQQ SSFRTEGEGGNTADASSEEEGD RVERDGKG\KRKNEKAGSKRK KSYTSKKSSKQS\RKSPGDED\D KDCKEEENKSSSEGGDAG\NDT RNTTSDLQKTSEGT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15325	45693	A	15415	1	1272	MWSGAGPGLAVWPQLVTVLSL SL SRLNCKWGLSFLACLLLG MADAAMQHYGVNGYSLHAM NSLSAMYNLHQQAQAQHA PDYRPSVHALTLAERLADIILEA RYGSQHRKQRRSRTAFTAQQL EAEKTFQKTHYPDVVMRERL AMCTNLPEARVQVWFKNRRRA KFRKKQRSLOKEQLQKQKEAE GSHGEGKAEAPTPDTQLDTEQP PRLPGSDPPAELHLSLSEQSASE SAPEDQPDREEDPRAGAEDPKA EKSPGADSKGLGCKRGSPKADS PGSLTITPVAPGGGLLGPSHSYS SSPL/SPLPSAGAIPPAHGGHQ PGALLVLRSGSGPCCCSGGCC CALPGRQHGPAGLTA/SASPTTS PCQQPLLP/SQGVWGSPLLPAPP AGLAPASATLNSKTTSIENLRLR AKQHAASLGLDTLPN
15326	45694	A	15416	1	1152	
15327	45695	A	15417	8	82	
15328	45696	A	15418	1	1350	MGSEKDSESPRSTSLHAAAPDP KCRSGGRRRLTLHSVFSASAR GRRARAKPQAEPPPAAQPPPA PAPAAAQGPPEALPAEPAAEA EAEAAAAAEPGFDDEAAEG GGPGAEVECPCLVRLPPERA PRLSCPHRSCRDCRLHYLRLEI SES RVPISCPECSERLNPHDIRLL LADPPLMHKYEEFMLRRYLAS DPDCRWCPAPDCGYAVIAYGC ASCPKLTCEREGCQTEFCYHCK QIWHPNQTCDMARQQRAQTLR VRTKHTSGLSYGQESGPADDIK PCPRCSAYIHKMNDGSCNHMTC AVCGCEFCWLCMKEISDLHYL SPSGCTFWGKKPWSRKKKILW QLGTLIGAPVGLISLIAGIAIPAM VIGIPVYVGRNIHSRYDGKEN\S KHKRNLAITGGVTLSVIA SPVIA AVSVG\IGVP\IMLAYVYGVVPI SLCRGGGCGS
15329	45697	A	15419	2	540	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15330	45698	A	15420	1	530	SRTTPGKAPKETWGQDAGSGK GGQGPTRKPPRTSSHLPPSPA AGDCPILATPESPPLAPETPDE AASVAADSDVQVP\GPAASPKP LGRLRPPRESKVTRRLPG\ARPD AGDGDHLSAVAERP KVSLHFD TETDG\YFSDGEMSDSDVEAED GGVQRGPREAGAKE\VVRMGV LAS
15331	45699	A	15421	1	2989	MLLVMYWAPAPPPVHMSQFLT TGPKCLELSLDHGRDSQEITAS GLLWLQHAACGLAQWNQKPH PPFLTLLQAEPPFERARSCDIYIR IKMLQTAQQHQVGLAPTERKE ALRGSQSPQKSASGQRPGLDR ELLMLIKISKCLRVPSPSSVLG TESTGPVPGELVLCQQDAGATQ EGVCYGRELMICRCDSPRLME PWGVKGTPEVFRTDLITAMKIP DSYQLSPDDYYILADPWRQEW EKGVPVPAGAEAIPE
15332	45700	A	15422	218	404	
15333	45701	A	15423	1	422	
15334	45702	A	15424	160	470	LTMLFAACVFSGDEIMASEERQ PMEEEWRSSTISGEDGERWTP DTAGKAAQGIAGDVVWVSPLP PSKVSAASKPPKS\HHPFFKWH NFSNLMKMFYKMYFSKN
15335	45703	A	15425	21	375	TFENTRFWDVQIPVPTGERRNE WALPPPGAGSV PAGGWSRPLTP GRCDSSQGRGRSRRRAAPLSRPL PPLRRSPTLPGEPPPAHRPLRVH PRHGPRPSHL\ACLNSQAPDASR LRASANQ
15336	45704	A	15426	155	340	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15337	45705	A	15427	1	2658	MIINTIITTTTTITIIITIMSSSPIT ITNIITHQHSHHHNDQRPSLGK CRGLYIRVRKVPGERATANSRC PINAQGIESCWNGVMALWLGP NSTCSRLPELTDSEDCQPADSP GDEDPKPWWDPPEAPLTGYF HPYGAAFVPRHAGNFKDRREV PHQDTSFCSAGQFWILPSACKT GRVALTLTLLIGAYQTLTEADV KGLTAARAASPGAKWRTQFPC PAGTCSSQAGNGQLEDCLPYPP GPSAPVGSLSRSSANGEFIIGRVI KAMNNSWHPECFRCDLCQEV ADIGFVKNAGRHLCPCHNRE KARGLGKYICQKCHAIIDEQPLI FKNDPYHPDHFNCANCGIKLG VFLTDRKDLTADAQELKGELY CLPCHDKMGVPICGACRRPIEG RVVNAMGKQWHVEHFVCAKC EKPFLGHRHYERKGLAYCETH YNQLFGDVCFHCRNVIEGDDE GDGFAHRYSPYDSCEVDQSPLE GQQLKSIRKGPLAQSQPLPTPV MLHPGCKTQIREAPGSAALESV RRRPRPGLVPEESESAAVEAV RHIHLQNFSSRLLETNGQKLG GHFCDVTVCIEASLRAHRCGL AIGSPSFQDKLLGPSEIRVPSV VPVQTVRQLVELLYSGSLVVA QSEAPQVLMASVLRIDSYRR MHADYRTRSSAPASTSAPAPLP TPVPPPLAPEQLRHRLRLHLLAA
15338	45706	A	15428	708	892	
15339	45707	A	15429	2	713	
15340	45708	A	15430	212	1246	DLPLAVHGVSDSGAQAVASR SGDESSIVCLKEESTVNMTFRCS LPLAVISVVSFTAKCQVKSEFII GRVIKAMNNSWHPECSAVTSA RKFWQILHLSRMLVDRKDLTA DAQELKGELYCLPCHDKMGVP ICGACRRPIEGRVVNAMGKQW HVEREQYMDPGILSALIDPKYL LILSHRGLHMKSMKGFYFAKL YYEAKKEYDLAKKYICTYINVQE RDPKAHRFLGLLYELEENTEKA VECYRRSVELNPTQKDLVLKIA ELLCKNDVTDGRAKYWVERA AKLFPGPSAIYKLN/DGWVRG QMVPKPDDEGVQVRGRSGRPD AGWRLNRRSSVGGSAWRLRPQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15341	45709	A	15431	129	444	WGGPGRQPDGGRVPGRCGPRR PATWESPAACRPRPQSRHHSFE *GGSRS GSSHKRPCPSSPAVLRA RDQVVLHTSFEATEGDSSHEDR STPLARRCLCSHRSGEA
15342	45710	A	15432	1	2446	METSLMVQVCGGRDCNALLPG NLCSQPTQVLPLEVDGDDGPG GLPLNAAAPPSSVPPVPPSEALPP PACPSAPAPWRSIISRLFGTSPA AEAAHPPPGGALDFGALRTSSC LSQSHGHIPGGPGLGLGAVRVP VPSEEDPASLFTEPVPAEAPAT VQSVEDFVANDRLDRSFLEDM TPARDEKKVGAKAAQQDSDTG RASRAPEQQIPHGGHWRGHSRS YERFRPPDMVSAGPGPSDGEAL GGNPIVAGFQDDVDLEDQPRGS PPPPAGPVPSQDITLSSEEEAEV ADPPKGPAPAPQQCSEPETKWS SIPASKPQRGTAPMTAAASPWP GGASVHTGLEKCSSTRPPAEIEP GKGEQASSESDPEGPIAAQML SFVMDDPDFESEASDTQCRAVR RVLPAQRAENAYGSAFQPGAL KPECRPTLKGGPGPVPSKAGKK TEATSPRPTGGASPLAHGATVG AAWGLGMASWPIGSSLAPTRA RTREPLQRRVGSSELPGDPCSG SGASCRQVCARGRATSVRLPAL ESLWPLSSDGSAAREGLEGPR LRQAAAPGGPGPLPPLSRPPSP ARRMRGGA AVAGRGAAAPLE GRVRLGVGFLAETAVRAGAGA LAAADAPPGSRTPRARPLVAAG SGAAGGRCPVPSRRQREAPSPL GGAGVDLQLECLTSEKAGVGA ATGGVLEALARAIRQKKEIEIQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15343	45711	A	15433	26	963	FMIWAGQNRKVQDFVIQLRML TPVVPPPQAAPNAQQPRAAASA PQTRVRAPRWPLGNVVVLGTE DAAGPSRPASEPPASPALPGPAL ELGLPNHPKQT/HRPRLAPRRSH PKDSCTIFKLNSFLKNIKFNNSV GDQVNLDYKLISGTEYDILNFW NFRILAKTGCSKDGHNRNPSRP TQEEGSGKPKKSLVKERSGAQE DLPVPPEEKLELSGTSMGPCCFS KTSYGIPHIYILSYKGTATAG HRWPAAYAPLNCSPVPETTM PVSDLGSPLHWASRIATPPSMW LCCLLAAALRVLA VSNSSAEVY SQS
15344	45712	A	15434	803	1305	RSKPCRSSHNVFSWWAHSRPC CPWSGYSSRLCCLSCCITLGPY QLKNRQQRNGSYKSGFNLYCV GNRLLFWVWII FQKGGRS/WLP RSDWVTSYKVMVSNDSHTWV TVKNGSGDMIFEGNSEKEIPVL NELPVPVMVARYIRINQSWFDN GSICMRMEILGCPLPGWEH
15345	45713	A	15435	2	377	ARELLKAVWRPHKVAVMHCR GHQRASTLVGLGNSRADSEAR KAPSAPFRASVTAPLLPQAPDL VPTYSKEENDFLQAKGGQVME EG*IRLPDGRVAAVVLAVHETT HRGQELLEKLLGWYFYISH
15346	45714	A	15436	77	679	KMKTNQMGLKSKVVMENATIS EIRLNINRKDVEYQQEILQLEAV WKLHKVAVMHCKGHQRASTL VGLGNSRTDSESPKAASAPLRA SVTAPLLPQAPDLVPTYSKEEK DFLQVEGGQVMEEGCIRLLDG RVAVPQLLGAAIVLAVHETTHL RS/ESSLGKLLGQLFSTISHFVSL CQNLTRQCVTCRQHNRQGPA VPPGMQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15347	45715	A	15437	2	881	HARCTGIAARAGLLDPRHTGEA LAARSRIDLARRPHWPRGCGTG GGGGGCAGLGGAWLRGNDVA VPARALVTAAPASSSMSPPIPA AARPVSS\PAASPSPRCGLRAG PAELRCPRRLRQARAEPPRAG PAPGRRRPTPGICPAPLSPLRA GGTAPSLPGVTRGSRVGRRLRP SLGGAGCRVGKRPPRLPPGRR CSTGLPPPAGTGAPAGVCWED GDPGHELAALLRRLGGQIRAL AGHRTAGWAQHGLSPREAVRP APAARGTLLRRSNSRRHLQNP ANFGGTLAT
15348	45716	A	15438	3	502	GRRDSCLPGVVAPRACLHPRG QVPRLGSVGKMATPGMSWQQ HYYGGSAAKFAPSPATAQLAG HSMDYSQEMHLKMSKKIAQLT KVIYALNTKNDEHESAIQALKD AHEEEIQHILAETREKILQYKS KVTEELDLRRKIQVLESSLEDHI KMKQQALTEFEAYKHR
15349	45717	A	15439	29	230	LQIDCKNKPAILRGPTDPLKEA DCYCRTWERPQILLPKWEGTR KPILVI*QNKAHQHAPQITLLHQ
15350	45718	A	15440	73	335	FFWGGIEEPCFVILSGSVFWLL IWVGASASPVVGDVFGRGSPF PTSTVGAFITVLWGVSWVLKRV CGSSWDC*FVLAINLELKFTM
15351	45719	A	15441	373	513	
15352	45720	A	15442	1585	1649	KNSNIQHSPKITLVHQQWFQTK KKFLIYLKKNSSGLVDP*MVHT TRLCADNPQYQPRARKSHS*VK GESTTLREHPMGQKNLNNSLQP
15353	45721	B	15443	1	696	
15354	45722	B	15444	49	525	
15355	45723	A	15445	113	474	SIPYKNKEEEEGKGGEYYIKGT CHGTKGSEQQPSALDLPDRAY PNEKEPEN*LW*LI*QNKAL*HS PKNHTSSP/RNGSKPRKKSILNL KKNSGG*LLS*LGRHQRKVKN ARKSKNQYKK
15356	45724	A	15446	47	614	TGCPRCKQNSTCIAAVKMEGPL SVFGDRSTGETIRSQNDVTITN DGATILKLLEVEHPAAKVLCEL ADLQDKEVGDGTTSVVIAAEL LKNADELVKQKIHTSVISGYR LACKEAVFYLTENLIVNTDELG RDCLINAAKTSMSDDIGINGDF FAN/MVVDAVLAIHARHRGQ/P RYPVTLLY*SHGES

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15357	45725	B	15447	707	1826	
15358	45726	A	15448	108	397	
15359	45727	A	15449	1726	2464	SKAVQLEAGGLQLFCCKMAP DPNITDVFGR TALHYAVYNEDT SMIEKLLSYGANIEECSEDEYPP LFLAVSQRKVKMVEFLLKKKA NINAVDYLGRSALIHAVTLGEK DIVILLQHNIDVFSRDVYGKL AEDYASEAKNRVIFELIYEYER KKHEELSINSNPVSSQKQPALK ATSGKEDSISNIATEIKDGQKSG TVSSQKQPALKDTSKNDVSVN TATEIKDEQKSGTVSSQKQPAL KDTSDKNDVSVNTATEIKDEQK SGTSVFSETTGLEGYK
15360	45728	A	15450	2	675	
15361	45729	A	15451	1	467	DHSSSPAREQNWME\EFDEL T EVGFRRWVITNSSELKKHVLTQ CKEAKNLEKRLGELLTRITSLE KNINDLMELKNTARELHEAYTS INSWINQAEERLSEIEDQLNEIK REDKITEKMKNSTTVRVAASM QSKLLQGVAAEEGPLRLTRSASF
15362	45730	A	15452	2	632	
15363	45731	B	15453	355	894	
15364	45732	B	15454	99	716	
15365	45733	A	15455	1	1140	
15366	45734	A	15456	1	1476	MEVNREKQLNELEVIGSEEQNL EEGLMIGGVA VRLVPDDIVIP GGVNATNGTEARDALRVKVA MSVTLLSGIIQYLLSALGWSYY TVDGVSQKNPRALGVTADQLH AIFTTMSDEQASFRGFVAIYLT EPLVRGFTTAAAVHVFTSMK YLFQVKT KRYSGIFSVVYSTVA VLQNVKLNLCVSLGVGLMVFG LLGGKEFNRFKEKLPAPIPLE FFADHNSSPAREQKWMENEFD EWTEVSFRRWVITNSSELKEHI LTQCKEAKNLEKRLLELLTRITS LEKNINDLMELKNTAQEFHEA YTSINS/RNQTEERVSEIEDQLN EI*CKDKIR\ EKKRMKRNEQSLQ EIWDCVKRPNLRLTGVPESDGE NGTKLENTLQDIIQENFHNLAR QANSQIQEIQRTPQRYSSRRATP RHIIIRFTKVEMKEKMLRAARE KGRVTHKGNPIRLIADLSADTL QARRQWEPFIFNILKENFQTRISH
15367	45735	A	15457	1	1185	
15368	45736	A	15458	1	2367	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15369	45737	A	15459	1	744	
15370	45738	B	15460	337	1515	
15371	45739	A	15461	1	1197	
15372	45740	A	15462	1	714	
15373	45741	A	15463	142	601	HQRTKVYKFTKMRKNQPKKPE NSK/TQNPSSPSKDHNSLPAREE NWMENEFDKLTEVGFRRWVIT NSSELKEHVLTQCKEAKNPDK RLEKLLTRIISLEKNINDLVELK NTA*ELLEAYTNINSQIDQVEEK I/S/SIEDQLNEIKLEDEIREK KKK
15374	45742	A	15464	153	474	QTKSNNVNIKKQDVHTKTPSEG HQHQRPK/DHNSLPAREQNWIE NEFDELTEVGFRRWVITNSSEL KEHVLTQCKEAKNLEKRLQEL LTRITSLEKNINDLMELKNTA
15375	45743	A	15465	1	2172	
15376	45744	A	15466	1	1640	MKLMETLNQCINAGHEMTKAI AIAQFNDDSPARKITRRWRIG EAADLVGVSSQAIRDAEKAGR LPHPDMEIRGRVEQRVGYTIEQI NHMRDVFGTRLRRAEDVFPPVI GVAAHKGGVYKTSVSVHLAQ DLALKGLRVLLVEGNPDQGT SMYHGWVPDLHIHAEDTLLPF YLGEKDDVTYAIKPTCWPLDI IPSCALHRIETELMGKFDEGKL PTDPLMLRLAIETVAHDYDVI VIDSAPNLGIGTINVCAADVLI VPTPAELFDYTSALQFFDMLRD LLKNVDLKGFEPDHLTPAGNC YVVRNEDCIGFFSGFYNVISL GVYLVEQQKGWEDTHSKTPSK GHQHQRSKVDKSTKMRKNWS KNAENSKNQNALSPNDRNSSP ARAQNWMENKFDKLTEVGFR RQVITNTSELKEHILTQSKEAKN LDKRLQELLTRITSLEKNINDL MELKNTARELREAFSFCVNCE AVSLITSLREDSHWLEDSKGHR M/RRHQE*KCEYFHPPHPLQF YQLPESDSHSDPLWPHGGSFLS
15377	45745	B	15467	50	1603	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15378	45746	A	15468	528	1413	QTERNSTSTSKTPSEGHQHQRPKVDKSTKMGRNQCKKA*\NSK SQNACCPKDHSSLPAREQTMENEFDELTEVGFRRWVITNSS KLKEHVL TQCKEAKNLEKRLE ELLTRITNLEKNINDLMELKNT ARELREAYTSINSRIDQAKERM SEIVDQLNERNDRENGTKLENT LQDITQDNFPYLARQVNIQIET QRMPQRYYSRRVTPRHIVRFA K VEMKEKMLRAAREKDTSVK QKVNKDIQELNSALHQVDLIAI YRTLHPKSTEYTFFSAPHHTYS KTDHIVHSILCDSG
15379	45747	A	15469	368	679	SSQLNKAPSLFNPVSEEFCLWL LLLQKELLTRITSLEKNTNDLV DLKNTA*ELHEAHTSINS*IDQV EERISECEDHLTEIRHSEKMKTA LLK*DMQTRREKKK
15380	45748	A	15470	865	2055	QTERNSININKKDN YAKTPSKG HQQRPKVDKSTKMRKNQHK KA*KFPKPGMPSSPPK\DHNCSP ARE\QNWMEN\EFNEFDEL TGA GFRRWVITNSSSELKEHVVTQCK EAKNLEKRL\QELLTRITSLEKN INDLMELKQDITQENFMKHTQ VSIAQADQGRKERVSEIEDPTL MDIKCEDKIREKK/IKKRNEQSL QEIWGYVKRPNLRLISVPESDG ENGK*ENILQDIIQENF/PFPNL TRQANIQIETQRTLQRYPLRR ATPRHIIIRFTKVEMKEKMLRA AREKGRVTHKGKPIRLTENLSA ETL*ARRE**PILNILKERNFQPR ISYRAKLSFISK/GKREIKSFIDK QTLRDFVTTRPALQELLKEAVN MERKNQYQPLQKHTKLKRPLT
15381	45749	A	15471	1	315	
15382	45750	A	15472	1	2775	
15383	45751	A	15473	1	1017	
15384	45752	B	15474	1	3105	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15385	45753	A	15475	1	1115	MKWL LLLGLV ALSECIMYKVP LIRK KSLRRTL SERGLLKDFLK KHNL NPARKYFPQWEAPTLVD EQPLENYLDMEYFGTIGIGTPA QDFTVVFD TGSSNLWVPSVYCS SLACTNHNRFNPEDSSTYQSTS ETVSITYGTGSMTGILGYDTVQ SGYHHGNHRLNLKGLCSSKRSS TTPPLYDLGQVASPPSGSVSSC DDQSGSVVIFGGIYSSYYTGGL NWVPVTVEGYWQITVDSITMN GEA\IACAEGCQA\IPEPGTFFVT GP\TSPIA\NIQSDIEA\SEELDG\D SVLICSAISS\LPDI\VF\TINGVQY PVPPS\AYILQSEGSCISGFQGM NLPTSEELWILGDVFHPASTLT VF\DRANNQVGLAPVA
15386	45754	A	15476	1	765	
15387	45755	A	15477	470	479	PRNPSSFLQVQVQHRFLQLFVP FHFVFFLASLYVMVTLTTWFR* DPCVSGMALNCSFLKIASSSGE YLRPTPSYLNQVVRVTMT
15388	45756	A	15478	1	896	CLPFGGPKPNPWDKDGQCQGR PQPRHLPGPGTAAQRRQCPSE KSL\CRWPSLTASTCSRLFYL LHV GAS/CNLLPPAVKDSSGKG VGQDTQVLSGSGAVYRVCAGT ATFHL LQAVLLVHLHSPTSPRA QLHNSFWLLKLLFLLGLCAIAF CIPDEHLFPAWHYIGICGGFAFI LLQLVLITAFHSWNKNCNEAS YLAEVFGPLWIVKVYSYEFQKP SLCFCCPETVEADKGQRGGAA RPADQETPPAPPVQVQHLFLQL FCLPLRLLPWLTLCHGYPYQLV QASAGCGCKPFAPYSL



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15389	45757	A	15479	1	1016	MERRGPGAATARGRARPGGGP SVGLLATGSSLNPSFHGVARIVP GFIRIARPRDGSFAYESVPWQQS ATQPAGSLSVVTTVWGVGNAT QSQVLGNPMGPAGSPSGSSMM PGVAGGSSALTSPQCLGQQAFA EGGANKGYVQQGVYSRGGYP GAPGFTTGYAGGPGGLGLPSH AARPSTDFTQAAAAA VAAAA ATATATAT/GHRGCSPGEAEPG AEP\DGAMGAGQSFNSQFLQHG GPRGPSVPAGMNPTGIGGVMG PSGLSPLAMNPTRAAGMTPLY AGQRLPQHGYPPQAQPLPRQ GVKRTYSEVYPGQQYLQGAYP VHSGLSQFPTWQETPRHP
15390	45758	C	15480	1	585	
15391	45759	B	15481	1	885	
15392	45760	A	15482	3	440	GPWPRPVAYLSKQLYRVSKGW PPGLRALAEMALLAQEADKLT LRQNPNI/IGHAVVTLMTTKG HH*FTNARLTYVKIPT*PLKF/G NTLNPTTLLPVSESPVEHNCVD VLDSVYSSRPNLRDHP*TSVDC ERYVDRSSFTNRCKVTR
15393	45761	A	15483	3	368	
15394	45762	C	15484	109	276	
15395	45763	A	15485	1	1710	
15396	45764	A	15486	221	784	QNSLRSMCQKEKKMAAGVLT HTC\GPWPRPVAYLSKQLDRIS KGWPPGLRALAATALLAQEAD KLTL\GKT*I*RPPHAVVTLMNT KGHHWLTNARLTKYQSLLCEN PHITTEVCNTLNPTTLLVSESL VEHNCVEVLDSVYSSRLNLRD HP*TSVDW*LHVDGSSFTNPCK VTLKKMTSAAPVTPRS
15397	45765	B	15487	509	661	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15398	45766	A	15488	1370	2243	LGKLRLESCGLVA AVRPHSGGL AMPLPNATRPASGRSED/AELK LALEHGHRSESLQGRKHRGVH DNSDIPQAALVGGTTMIIGHVL PDKETSLVDAYEKCRGLADPK VCCDYALHVGITWWAPKVKA EMETLVREKGVNSFQMFMTYK DLYMLRDSELYQVLHACKDIG AIARVHAENGELVAEGAKEAL DLGITGPEGIEISRPEELEAEATH RVITIANRTHCPIYLVNVSSISA GDVIAAAKMQGKVLAETTTA HATLTGLHYHQDWSHAAAY VTVPLRLGIPPH
15399	45767	A	15489	307	600	VSRRASSGSPVPLGSLHLQHSA PA/PSAAPKPRSPPARLSRPHLR GESAAPSPSPGPASLAAAAAA RVPAQPSAPSTTPAPRTTLAPR VPHRLAPAP
15400	45768	A	15490	3	222	
15401	45769	B	15491	1	1131	
15402	45770	A	15492	136	201	
15403	45771	A	15493	3	556	ELPRRLVCSKLRADPGRITPDA CARPGMSRYLLPLSALGTVAG AAVLLKDYVTGGACPSKATIPG KTVIVTGANTGIGKQTALELAR RGGNIILACRDMEKCEAAAK\D IRGETLNHHVNARHLDLASLKS IREFAAKIIIEEERVDILINNAGV MRCPHWTTEDGFEMQFGVNHL GHFLLTTC
15404	45772	A	15494	11	559	
15405	45773	A	15495	1	312	MAPAADREGYWGPTTSTLDW CEENYSVTWYIAEF\SWLMSGF LPTPSSLRDLTASRWVRSPLPSR SPAGRQPGPAEELPKASPCPWG KSLSRPFASFASASSGPS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15406	45774	A	15496	2	1605	WQLPHPPAAPSARQILRACQLS SVTAVAQSCLYGKQLC/GLTTG NIAGAGLLFFGGGIGGTILYAK WASHFRERVEKTIPYSDKLFEV VLGSAPYNVPLPKKSTQSGPLK ISSVSEVTKEFKQPASQLQKQK GDTPASATAGDTVLPVGVQHE ESLKTDPHAIDEGKPTPALSEEA SSSSIRERPCEEIAACLAQEEKQ EQVKTESLAKSFEDALRQTANV TLQAIAAQNTVVQAVNAHSNIL KAAMDNSEIEGKKKSAAKWHV QGALKEHRKAVDEAANALLKA KEEVQAAQFESKLVSQYHEL GQAQDDFKRQLDSITPEVLPGW KGMSVSDPADKLSTDDLNSLIA RAHRHIDQLNRELAQKATEK QHITLAEKQTLLEEKVQEQELK YEFQNLSEKLSEQLQFHHLS QEQVHNFTLDINTAYARLRGIE HAVQSHAVAEAEARKAYQLW LSVEALKYSMTSSAEMPAVPL GSAVEAIKANCSDNEFTKALAT AIPPELTHGVYSEETLRVRFYA VQKLARRVAMID

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15407	45775	A	15497	89	2490	PKCCFFCLLSGETAAQSCLCG KVVLRPLRPCRRYSTSGSSGLT TGKIAGAGLLFVGGGIGGTILY AKWDSHFRESVEKTIPYSDKLF EMVLGPAAYNVPLPKKSIQSGP L*ISSVSEVM\KESNRPASQ\LQK QK\GDTPASATAPTEAAQIISAA GDTLSVPAPAVQPEESLKT DHP EIGEGKPTPALSEEASSSSIRERP PEEVAARLAQKEKQEQVKIESL AKSLEDALRQTASVTLQAIAAQ NAAVQAVNAHSNILKAAMDNS EIAGEKKSAQWRTVEGALKER RKAVDEAADALLKAK*LLMDF NKEELEKMKSVIENAKKKEVA GAKPHITAAEGKLHNMIVDLD NVVKKVQAAQSEAKVVSQYH ELVVQARDDFKRELD SITPEVL PGWKGMSVSDLADKLSTDDL N SLIAHAHRRIDQLNRELAEQKA TEKQHITLAL\EKQKL\EEKRAF\ DSAVAKAFRNIHRKLKYRA*TG QKR*KEVRDAME\NEMRTQLR RQAAAHTDHLRDVLRVQEQEL KSEFEQNLSEKLSEQELQFRRLS QEQVDNFTLDINTAYARLRGIE QAVQSHAVAE EEARKAHQLW LSVEALKYSMTSSAETTS\IPL GSAV\EA\KANCSDNEFTQALT AAIP\PESLTRGVVTVKRPLGAR FYAVQKL\ARRVAMIDETRNSL YQYFLSYLQSLLLFPPQQLKPPP
15408	45776	A	15498	1	1212	MPKKRQALVEFEDVLGACNAV NYAADNQIYIAGHPAFVNYSTS QKISRPGDSDDSRVNSVLLFTI LNPIYSITTPTRLNVFKNDQDT WDYTNPNLGGQDPSNPNKR QRQPPLLDGHPAEYGGPHGGY HSHYHDEGYGPPPPHYEGRRM GPPVGEYGPHADSPVIMVYGL DQSKMNCDRVFNVFCLYGNVE KVKISLKKQSPGGRPMGEEWL\ DGYAVDRAITHLNNNFMFGQK LNV/CVGAQAREGSRGTGERK GGEWGPAEEHSEAEVLTHTEM GCGSVSKQPAIMPQSYGLEDG SCSYKDFSESNNRNFSTPEQAA KNRIQHPSNVLHFFNAPLEVTE ENFFEICDELGVKRPSSVKVFSG KSERSSSGLLEWESKSDAETL GFLNHYQMKNPSINLVT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15409	45777	A	15499	1	645	
15410	45778	A	15500	3	677	SPPNPRAPYLFPASLQNPANWS PHFQYLPILSQPRSVLTAFRQQA QPRISMPQAQTPFRPQMERLDQ NIRRSNPQHSLKPKLIQSKALT LFNSVKAEEKDEEAAEEKFEVTR VVHIRGLIDGVVEADIVEALQE FGLISYVMVMSKKRQALVEFE DVLEACNAVNYTADNQHIAAG HPAFVNYSTSQKISRPGNSDD\R SVNSVLLFTILNPIYSITTDVLYT
15411	45779	A	15501	2	1712	DEQRRRSGAMVKMAAAGGGG GGGRYYGGGSEGGRAPKRLKT DNAGDQHGGGGGGGGGAGAA GGGGGGENYDDPHKTPASPVV HIRGLIDGVVEADLVEALQFEG PISYVVMPKKRQ\SLV*FEDVL GAGNAV\NYAADNQIYIAGHPA \FVNYSTSQKISRPGSDSDSR\SV N\SVLLFTILNPIYSITTDVLYTI\ CNPCGPVQRIVIFRKNVQAMV EFDSVQSAQRAKASLNGADIYS GCCTLKIEYAKPTRLNVFKNDQ DTWDYTNP\NLGGQDGPSSNP KRQRQPPLLGDHPAEYGGPHG GYHSHYHDEGYGPPPHYEGR RMGPPVGGHRRGPSRYGPQYG HPPPPPPPEYGPHADSPVLMV YGLDQSKMNGDRVFNVFLY NVEKVKFMKSKPGAAMVEMA DGYAVDRAITHLNNFMFGQK LNVCVSKQPAIMPGQSYGLED GSCSYKDFSESNNRSTPEQA AKNRIQHPSNVLHFFNAPLEVT EENFFEICDELGVKRPSSVKVFS GKSERSSSGLLEWESKSDALET LGFLNHYQMKNPNGPYPYTLK
15412	45780	A	15502	1	528	NHQIRNDFTISPGVKADSRTSPI PQQPASSFDITEAAVSFAKDSLA GGVAAAISKMAVAPIERVK/RV PKEHGVLSCGNLASVIRYFP\ TQALNFTFKDKYQIFLDGVDK RSQFWRYFAGNLASGGATGAT SLCFVYPLDFAHTRVAADV GK AGAERELRGFGDCLVKIYKSDG IK
15413	45781	A	15503	1	1452	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15414	45782	A	15504	2	991	RSAGVKAGSRPSPVLQQSASSF NMTDAAVSFAKDFLAGGVAA AISKTA VAPIERVKLL LQVQH ASKQIAADKQYKGII GCVVRIP KEQGVLSFWRG NLANVIRYFPT QALNFAFKDKYKQIFLGGVDK RT\QFWRYFARNLASGGAAGA TSLCFVYPLDFARTRLAADV GK AGAEREFRGLGDCLVKIYKSDG IKGLYQGFNVSVQGHIIYRAAYF GIY\DTAKG\MLPDPK\NTHIV\ S W\MIAQTVHCCCPG*LPYPFDT RS/VRRNE*MQSGRK\GT\DIMY TGTL\DCWRKIARDEGGKAFFK GAWSNV\LRGMGGAF\VLVLYE *KSKKYT
15415	45783	A	15505	1	613	
15416	45784	A	15506	1	1695	
15417	45785	A	15507	131	723	LLEGKLTNRKDIHTKNPSVRH/ RSSKTKERV SAMED EINEMKRE EKFREKRVKRNEQSLQEIWDYL KRPNLRLIGVPESDGENGT KLE NTLQDIIQENFPN LARQANI QIQ EIQRMPQRYSLRRATPRHII VRF TKVEMKEKMLRAAREKGRVT HKGKPIRLT/ADLSAETLQARRE WGPIFNILKEKNFQPRISYPAKL
15418	45786	A	15508	1	3156	
15419	45787	A	15509	1	879	
15420	45788	A	15510	1	804	
15421	45789	B	15511	1	1230	
15422	45790	A	15512	2	827	
15423	45791	A	15513	1	1011	
15424	45792	A	15514	1	1722	
15425	45793	B	15515	1	780	
15426	45794	A	15516	1	2712	
15427	45795	B	15517	1	855	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15428	45796	A	15518	3	1263	GRTIQTKGKEV\ENFEKNLEECI TRITNTEKCLKELMELKTKARE VREECRLRSQCDQLEERVSAM EDEMNMKQEGKFREKRIKRN EQSLQEIWDYVKRPNLRLIGVP ESDVENGTKLENTLQDIIQENFP NLARQANVQIQERQRTTPQRYSS RRATPRHIIVRFTKVEMKEKMG LLVPNWTNHSPLFRILFDYKG FCRFGTTHQTGFSPAGANQRGP LAATLSGPGGEGQSAVARLTGL IGVPESDVEKETKLETTLQDIIQ ENFPILARQANVQIQEIQRTPQR YSSRRATPRHIIVRFTKVEMKE KMLRAAREKGRVTLKGKPIRL TADLSAETLQARREWGPIFNIL KEKNFQPRISYPAKLSFISEGEIK SFTDKQMLRDFVTTRPALKELL KEALNMERNNRYQPLQNHAK
15429	45797	A	15519	1	1137	
15430	45798	A	15520	1	1578	
15431	45799	A	15521	1	1656	
15432	45800	A	15522	1	1120	
15433	45801	B	15523	1	1541	
15434	45802	B	15524	1	1632	
15435	45803	C	15525	53	352	
15436	45804	A	15526	1	973	MGKKQNRKTGNSKMQSASPPP KERSSSPATEQSWMENDFDEL EEGFRRSNYSELREDIQTGKE VENFEKNLEECITRITNTEKCLK ELMELKTKARELQRVSAMEDE MNEMKREGKFREKRIKNEQS LQEIWDYVKRPNLRLIGVPESD GENGTKLENTLQDIIQENFPNL ARQANIQEIILRIPQRYSSRA TPRHIIVRFTKVEMKEKMLRAA REKGRVTLKGKPIRLTVDL TLQARREWGPIFNILKEKNFQ RISYPAKLSFISEGEIKYFTDKQ MLRDFVTTRPALQELLKEALN MERNNRYQPLQNHAKM
15437	45805	A	15527	1	2896	
15438	45806	B	15528	50	658	
15439	45807	A	15529	1065	1260	RSHALALDSAGSSSPESPH*RAS IPHTALGQNAGSWAGTAHSHH GPFLWSDPRHPQVPHRTCCP
15440	45808	A	15530	96	219	EFSTKPRLSGP*SSWEMLILEPL APDTTIDLKLLYSRDF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15441	45809	A	15531	5459	6324	LLANVSQLLADISQLLANFTQL FSHFSQLLTYLSKLFTHLPQLLT HFPKLLTHQPELFSNQSOLHPNI TRYSPSPSYSPSPSPNYTPTSPN YSPTSPSYSPSPSPSYS/RDLTKLL PFQPTIHTTVSNLYPKLTQLQPQ FAQLQPNLTQVAPPTSPSYSPSSP EYTPTSPKYSPTSPKYSPTSPKY SPTSPSYSPTPKYSPTSPSY\Q PLQSTPQPLPSTHLLAPLTRPLP PSTRPPAPPTRPPPPKAQPTLPLP LVTRPPAPPTVSQARLSARMTV TRRTEGTWGAAAG
15442	45810	A	15532	13	941	SVVLRPLLVVAAATATTPVAA AAATNTAKKTATVMVGEMVA GERGVLQMGHDITRFFYSNIQT VINNWLLIEGHTIGIGDSIADSK TYQDIQNTIKKAKQDVIEFEN QVPRILNDARDKTGSSAQKSLS EYNNFKSMVVSAGKSKINISQ GGGSQGGRGPPISMWLLALC LVGLAGAQRGGGGPGGGAPG\ GPGLGLGSLGEERFPVNTAYG RVRGVRRELNNEILGPVVQFLG VPYATPPLGARRFQPPEAPASW PGVRNATTLPPACPQNLHGALP AIMLPVWFTDNLEAAATYGGC FRVPKKA
15443	45811	A	15533	207	696	TNLQEKKNQPHQKV GKRYKQT LLKRRHLCSQQAHEKMLIITGH QRNANQNHNEIPSHTS*NGDH* KVRKQQMLERMWRNRNAFTL WVG*TSSTIVEDSMAIPQGS TRNTI*LSHPITGYIPKGL*IMLL *RHMHTYAYCGSIHNSKDLEPT QRSINDRLD
15444	45812	A	15534	1	307	
15445	45813	A	15535	1	381	LPPPHDRLWCVMFPTLCPVLI VQFPPMSENMRCLVFCPCNSLL RMMVSSFIHVPTKDMNSGIL*S RPADIELFSINLVNKKIFLKGF GDPLSLQRQLRNIVFSMPCCFPS FLLPWVFSQLSVKPH
15446	45814	A	15536	134	278	DPAFLAPSPV/LMKQAPQATSG LMEPPGPSTPIVQRPRILLVIDD AHTD
15447	45815	B	15537	1	840	
15448	45816	C	15538	1	891	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15449	45817	A	15539	1	3102	MYSHVITVCRHVKNGDILLNR QPTLHRPSIQAHRRARILPEEKVL RLHYANCKAYNADFDGDEM AHFPQSELGRAEAYVLACTDQ QYLVPKDGQPLAGLIQDHMVS GASMTTRGCFFTREHYMELVY RGLTDKVGRVKLLSPSILKPFPL WTGKQHINRTKDKNHMISIDA EKAFDKIQQPFMLKTLNKLIGD GTYLKIIRAIYDKPTASILNGQK LEAFPLKTGTRQGCPLSPLLFNI VLEVLARAIRQEK
15450	45818	A	15540	1	779	IPMKDHDAIKLFIGQIPRNLDEK DLKPLFEEFGKIYELTVLKDRFT GMHKGCAFLTYCERESALKAQ SALHEQKTLPGMNRPIQVKPAD SESRGEDKKLFVGMNLKQQSE DDVRR\LFEAFGNIECTILRGP ERQTAKGCAFVKYSSHAEEAAG RPSTRLHGSQTMPGAFVPVWV GQVSADTDKERTMR\RMQQMA GQMGMFNPMIAIPFGAYGAYA QALMQQQAALMASVAQGGYL NPMAAFAAAQMQQMAALNM NGLAA
15451	45819	A	15541	1	1413	MEYYAAIKKDEFISFVGTMK LETILSKLSQMOKTKHRIFSLIV LCDITDILKEFTVAEAGGFALNE IMKEICKSRFSKAVSLHWKMW HSTASLGYHRVNVNPDPLNLC LGHCWLGLRDTGQKQACGGP GVCPGMFRRACGGNAPCKEAP SVTEASSPDGSVLCGLSHVPITP APLSSAQMVCHMVEDRRTVEL ILGATHNLFFSTSPLTWSLRAIP GNCVLFLKDYVTEPVRSQSILHI AGPTFKQTPNLPFLKFPEATKA HGPNVYQNDSTCPEPTAQVSH WSSVSSTLIASPVPGPEDRKLFV GMLNKQQSEDDVRRLFEAFGN IEECTILRGPDGNSKARPLASSQ GAPSVKYSSHAEEAQAINALH GSQTMPLMQQAALMASVAQ GGYLNPMMAAFAAAQMQQMAA LN\PNGLAAAPMTPTQANGQP AAEINFANGIHPYPAQSPTAAD PLQQAYAGVQQYAGR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15452	45820	A	15542	254	883	DLRKDSPWEHRQCDKREPGNS APPAPHSWGFAVFNPRAGDVR QLCKRADTRTPSPRAPFGSAGA CRGCGRAGARSLASPKARTCIS SARRRAGGPLQLGAGSGQAKR PDR*TRREGANA*KTLHL/HSSL APSPGGVLAGFQEPGRPQVAC CAATAAGGIRAGERR/PAAAAA AAPWAQKLRRRLQRRGPPGC R**MVSFPRLFSGSTSR
15453	45821	A	15543	1	768	MCDFGKSTSLPASPTSSSANGR DNSTYRLKEQGGFMHVSASRD SCAESARYTDAHYAKSGYGAY TPSSYGANLAASLLEKEKLGFK PVPTSSFLTRPRTYGPSSLLDYD RGRPLLRPDITGGGKRAESQTR GTERPLGSGLSGGSGFPYGVN NCLSYLPINAYDQGVTLTQKLD SQSDLARDFSSLRTSDSYRIDPR NLGRSPMLARTRKELCTLQGL YQTASCPEYLV DYLENYGRKG SASQVPSQAP\PSRVP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15454	45822	A	15544	85	2249	SAEAMSGDGATEQAAEYVPEK VKKAEEKLEENPYDLDAWSILI REAQNQPIDKARKTYERLVAQF PSSGRFWKLYIEAEIKAKNYDK GEKLFQRCLMKVLHIDLWKCY LSYVRETKG\KLPSYKGKMAQ AYDFALDKIGMEIMSYQIWVD YINFLKGVEAVGSAENQRITA VRRVYQRGCVNPMINIEQLWR DYNKYEEGINIHLAKKMIEDRS RDYMNARRVAKEYETVMKGL DRNAPSVPPQNTQPQEAQQVDM WKKYIQWEKSNPLRTEDQTLIT KRVMFAYEQCLLVLGHHDPDIW YEAQAQYLEQSSKLLAEKGDMN NAKLFSDEAANIYERAISTLLK KNMLLYFAYADYEESRMKYEK VHSIYNRLLAIEDIDPTLVYIQY MKFARRAEGIKSGRMIFKKARE DTRTRHHVYVTAALMEYYCSK DKSVAFKIFELGLKKYGDPEY VLAYIDYLSHLNEDNNTRVLFE RVLTSGSLPPEKSGEIWARFLAF ESNIGDLASILKVEKRRFTAFKE EYEGKETALLVDYKFMDLYP CSASELKALGYKDVSRAKLA IPDPVVAPSIVPVLKDEVDRKPE YPKPDTQQMIPFQPRHLAPPGL HPVPGGVFPVPPAAVVLMLKLLP PPICFQGPVQVDELMEIFRRCK IPNTVEEAVRIITGGAPELAVEG NGPVESNAVLTKAVKRPNEDS
15455	45823	A	15545	12	427	SAEAMSGDGATEQAAEYVPEK VKKAEEKLEENPYDLDAWSIL IREAQV**YRITFPSLWVQSHYL VLPVNNIFIILTL*MLFIGFQF*N QPIDKARKTYERLVAQFPSSGR FWKLYIEAEVTILFYFFLYQYCS IHL
15456	45824	A	15546	150	469	SAEAMSGDGATEQAAEYVPEK VKKAEEKLEENPYDLDAWSILI REAQNQPIDKARKTYERLVAQF PSSGRFWKLYIEAEVTILFYFIFS YISIAAFTVVIENKLG
15457	45825	A	15547	1	834	
15458	45826	A	15548	443	732	SFMRWQKGQLPQLCLHRESHC SPYPQPSFLGMEP/ADIHETTFN SIMKCDVDIHKGLYANAVLSSG TTMYPGIA\NRMQKEITALAPS MMKIKIAPA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15459	45827	A	15549	1	1214	MEEIEAALVIDNGSGMCKAGF AGDDAPRAVFPSIVGRPRHQGV MVGMGQKDSYVGDEAQSCKRG ILTLKYPHIEHGIVTNWDDMEKI WHHTFYNELRVAPEEHPVLLTE APLNPKANREKMTQIMFETFNT PAMYVAIQAVLSLYASGRRTGI VMDSGDGVTHTVPIYEGYALP HAILRLDLAGRDLTDYLMKILT ERGYSFTTTAEREIVRDIKEKLC YVALDFEQE\MATAA\SSSSLEK SYELPDSPRSSTNWQLSGFRLPL RHSFQPSFLGMESCGIHETTF\NSIMK\CDVDIRKDLYANTVLS GRTPPCTLGIADRMQKEITALA PSTMKIKIIPPERKYSVWIGGF HPWAWLSHLSSKMWVQQARS MTESGPLHSSTANGFLGGLLTL VAFTPFLWTKP
15460	45828	A	15550	1	2355	MKQITFAPRNHLLTNTNTWTPD SQWL VFD MRTSGASFTGETIER VNIPTGYVEKPNKQCRHSVTRY GHGGHSDHTPSLT VATVATQIT PRHSGHSGHCDRNLSLATATA ATLITPHHLLWPRWPLGSHSVT WCGHGGHSDHTPSPTTATAVT RITSRHPLRPQQLGSHPVTHYS HGSHSDCIPVTRYAHGGHSDHT PSLAMATAATQMALCHSLWPR QPLGYLVNKIRRKRCTDGVSPS GKAPVFDTGIPWFESRYPSHLL RVSGSPPGYWGI AKRHQILNVS NMF GKFKTNLLGYRQAVRHRI LIPAFRGSNPRTPANLFKTLTLIS NMRALENDFFNSPPRKTVQFG GTVTEVLLKYKTAIEKRLEKLA VDPHRDRAQMLKVENVQQAW QQWINKLPPARREDEDVKEIR WMIEELRVSYFAQQLGKNSRA ESMLWSFHKAAIEAARTNIIQA QTRVEAAQATERRIAADIDDSE LKAPRDGRVQYRVAKPGEVLA AGGRVLNMVDLSDVYMTFFLP TEQAGTLKLGGEARLILDAAPD LRIPATISFVASVAQFTPKT VET SDERLKL MFRVKARIPPELLQQ HLEYVKTGLPGVAWSFLYSINQ TICLR LDSIEAKLQALEATCKSL EEKLDLV TNKQHSPIQVPMVA GSPLRTTQMCNKVR/CVNP*AT VVPPPVPQPTTQQYQGLDAGA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15461	45829	A	15551	1	956	MSSGRRDALARGLGNSGDGAP HLGEHRQLEDVGGVTVTVTWT GRLQAAGCWTRSVSSTAAAGR REPSTRDGAALSTEPPDPPERLG HRGSRAGLTALGHVTRTGSSQ RGGPPEPWEHWLENGTRRTEL VDGVSYESWRRRRCRGQLESR LVLENHVATDEDEPALKCQRL EINCQDPSIKSFLYSINQICLRL DSIEAKLQALEATCKSLEEKLD LVTNKQHSPIQVPMVAGSPLRT TQMCNKVR/CAMHWLCVSCIF TCLPGWRPAAPDQGPAAISLCS LPSSSQGHREPLALGLPSALPPA HRQRLRGSATVPIPP
15462	45830	B	15552	161	925	
15463	45831	A	15553	31	856	GGFLHHASFFVGRGRTLLMYFS LLGATPKPEPEPEQVIKNYTEEL KVPPDEDCIICMEKLSAASGYS DVTDSKAVGPLAVGCLTKCSH AFHLLCLLAMYCNGNKGPPEHP NPGKPFTARGFP\ASATFQTTP\ GPQELVPYTPQITAWDLEGKVT ATTFSLEQPRCVFDGLASTNDT VWL VVAFSNASRGFQNPETLA DIPASPQLLTDGHYMTLPVSPD QLPCDDPMAGSGGAPVLRVGH DHGCHQQPFCNAPLPGPGPYR WVVPTGALGLGLCLG
15464	45832	A	15554	827	1371	GSSAGEASSLRLSPSQPISRPL LPAGEKVLVVWIEDQTSNIPL SQQSKT/TLFNSMKAERGKEVT EEKLEARRGWFMRFKERSCFPN VKVQGEAANADIEAVACYPEY LAKITDEGGYTEQQIFSVDETA LYWKKMPSRTFLARRKNCHSH PSFSSQHLVQSAAINIKAKSSTS KKIMTP
15465	45833	A	15555	799	906	FLNKLAFALRCGLALNSFLRKI QEPSLG\SKSGSL
15466	45834	A	15556	143	560	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15467	45835	A	15557	1059	1940	QQMQQEMRRKSKWMAMLGK WETYQNS/TKGHLMKRVYKGI PMNVRAEVWSVLLNIQEIKAK NPRQYRVMKEKGKRSSEHIHQI DLAVSQTLRNHMFDRYGTK QQELFYILLAYS KYNPVVGYCR DLSHIAALFLLYLPEEDTFWAL VQLLASERHSCRVEQLPLGLH AARPGDGHGPGPRHLPCVASLL GAFRTSLLTVPKEPGTDPPEPKS DAFHPHQQKASHPPRGCPCLPG ATPSGSDSVQLALRNLRVLLPF SCSGSSCPWYPRKEALHPGGLE EQRGLQPLMGLVTG
15468	45836	A	15558	123	448	ALAAAVYPHSERTGEEAKKIC SVR*LLRSAQEEI/FLRGKNSRT GVL*KLLQRK*RYQRALGLAM LSEWTISPKGPVSTGITKPLTA SRVTVPRMTMSALLDFIHGA
15469	45837	A	15559	1	6387	
15470	45838	A	15560	52	3218	
15471	45839	A	15561	3602	4015	GSVESPLGQKTPRTSSASPCWPS TNLYRMELEYGPHVTSQVVK STRCAPIRWSAAPSILCEVRVPV TMWTCLPLPATGRLSMW*IWP RQWPCVLTSATQS*LTRCGGGT RAVSLAPQSHL*VCPAQSSWTS IILWT
15472	45840	A	15562	932	1316	RVQDIPAKRGIPQFRPKIKGIGQ SYKQHYPARPWNVLAQKV/V FEDQDALLPCLLTDPVLEAGVS LVRVRGRPLMRHTNYSFSPWH GFTIHRAKFIQSQDYQCSALMG GRKVMISISIRLKVQKAVNRA
15473	45841	A	15563	1	263	
15474	45842	A	15564	66	185	
15475	45843	A	15565	1	4217	MRLAEERAALAAENADGEPGA DRRLRLLGTYVAMSLRPAAGA WERCAGSAEAEQLLQAFGRD AAEGPRPLLVRPGPRGLAIRP GLEVGPEGLAGAKALFFLRGTG PEPPGPDSFRGAVVCGDLPAAP LEHLAALFSEVVLPVLANEKNR LNWPHMICEDVRRHAHSLQCD LSVILEQVKGKTLLPLPAGSEK MEFADSKSETVLDSDKSVIYAI ESAVIKWSYQVQVVLKRESSQP LLQGENPTPK\VELEF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15476	45844	A	15566	26	494	RPGCGEWLGNALWGQECQL HYSPPVSPWENSSGPRFSISKTG SLIPPLLNDICQNQKPQIILSHPA RCLGLLDHFPQQWERRQAQNR AETG*GQRSAQGQTFRQRPLSV SGNCRVPPRATVSRK/PRPAPAY ALSLKSPRRRPRTGPAPPGLVP
15477	45845	A	15567	1	1242	
15478	45846	A	15568	114	1219	VDLPPGAPVRQSGSHGSVLRDH KTEGEARVLP LHQRVGKAGGR GATPGPHVHEDPVTICCGHSFC RP/C/ICLSWEEAQSPANCRA EPSQKKDFKTNILLKNLVTIAR KASLWQFLSSEKQICGTHRQTK KMFCMDMDKSLCLLCSNSQEH GAHKHYPIEEAAEEHREKLLKQ MRILWKKIQENQRDLYEERT AFLWRKRTLRLKGMTSGAQGT SQKVALGLLQQPLCHTVRAQS NSARVHKQRGGDAVSSGAGIP DPKAQRFPATLRSQAFTCTAGR RWGSGETVLHPLQRAGVRGAV AELHRQLLSSSAAGFEECEGL CTSGPHITQGPDHQELYLSHEG VWTFLTCTGDRWKVLSGVPCP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15479	45847	A	15569	1	2694	MRMAATAWAGLQGPPLPTLCP AVRTGLYCRDQAHAEATDVV LLAPFCQPKTRSHGTCPPTERDP RGEGSTEYPGRVDGIQGWGTR ALTGWTDRLLCQACQTLPPR HWFLPGARGWLGGSPCAHGQE SLPSQSPILLRVESVKSRMLRR RAQEEDSTVLIDVSPPEAEKRG SYGSTAHASEPGGQAAACRA GSPAKPRIADFLVWEEEDLKLD RQQDSAARDRTDMHRTWRETF LDNLRAAGLCVDQQDVQDGN TTVHYALLSASWAVLCYYAED LRLKLPLQ\DYPTRPPTGRPAC/ CAWLGI PNVLLEVVPDPPEYY SCRFRVNKLPRFLGSDNQDTFF TSTKRHQILFEILAKTPYGHEKK NLLGIHQLLAEGVLSAAFPLHD GPFKTPPEGPQAPRLNQRVLF QHWARWGKWNKYQPLDHVR RYFGEKVALYFAWLGFYTGWL LPAAVVGTLVFLVGCFLVFSDI PTQELCGSKDSFEMCPLCLDCP FWLLSSACALAQVREEAGRLF DHGGTVFFSLFMALWAVLLE YWKRSATLAYRWDCSDYED TEERPRPQFAASAPMTAPNPITG EDEPYFPERSRARRMLAGSVVI VVMVAVVVMCLVSIILYRAIM AIVVSRSGNTLLAAWASRIASL TGSVVNLVFILILSKIYVSLAHV LTRWEMHRTQTKFEDAFTLKV
15480	45848	A	15570	1	924	MISQFIPENYFSGKSSATSGWA RAQRDFRVGAGSARPALLSGRL APPALGSERLSTRASSCGGLPR ATPRGRAPPPATRHVPSTAQR LRSAAARQRLAGSSARGRDAL GKASWAPESVLEVLARAVRQE KEIKGILLGKEEVKLSLFAGDMI VYLENPIISAQNLLKLMSNFSK VSGYKISVQKSHAFVYTNNRQS ESQIMSELPFTVATKRIKYLGIQ LTRDVKDLFKENYKPLLNEIQE DTNKWKNI PCSWVGRINIVKM AILPKVIYRFNAIPKLPMTFFTE LEKTK\FIWNQK\RAHIAKTIL
15481	45849	A	15571	1	825	
15482	45850	A	15572	1	1488	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15483	45851	A	15573	1	1476	MPIKVDWIKKSRHTPTDMS KRGINISIQEYRNTPDASILSEL LERDTNTQVYTYEQEHTNKN GHQAIDKQNKGHIRRESDRGEY YPLDCRPTGSLTDKGWGMMLC GMMTAGKPTPILTFLLDVGLPG GTAINKSSVIRVRNREEGNVEK WGERQVDQRDAVMRVRCGIR NNVEAGLKYGPGTMKVSLSVF YTTQQCRRYLSVLCFAGLARAS VPFNEFQMSLDEKLFSNLHPL GSSSPPKSLLHCPLEHQFTML GFSDLGAQLASPSGSHTRAAGV AACQPAPTLTWLSPVVARGLG TLEQGVVLVGEARAAQEPMEW VGGSCMVGCRSRALPRGAAK AWREIQRSAGAGGAPVSPWSG GAPSRACPPSASSVRFLCAARR LACNTYSPVLYCVRNWWILGL TDFNNEATDPRDPFLANVPQQL AAVAIGTCDGNVYSAGDRDYR FALESILKACTLALALEEVGPPA VQDKIGADPTGLPF
15484	45852	A	15574	140	448	GFLGACAGREFKMAP*SSLG *KLSVSPCPGLLISAEGPEAVFSI V*NARVRGFILEVSETKNPIPD TISTKHASLMSDSYREKKLV VYPHSSTPSFQ
15485	45853	A	15575	1	1001	MEAPQGALEQDGPVLSQQRH RKKPFTATPIDPSYHRSHAISL VIIGYCVPPSHAAEMAAYGWT MGKSKLMAGQWITQSQVFCDS STDGPRQHKQAQTAILTKLQSQ RSTNNSTVSHRQQWVNCRLR VKCQRLRAHKELLPVQRWLWR QGRCVPTTSLVAVSETAGAGA AALALSRLCRCLQVSASARF SRTLSPQPKCWAMAASHQPIKG ILKNKTSRTSSMVALSEQPCRT VHEELSKKCQKWDEMNLSTY HPADKDYGLMKIDESPYPYHG LTGDDENACSDTETTETMVSDI LAKKLAAEGLEPKYWVQE SSGEEDLLAEE
15486	45854	A	15576	1	1851	
15487	45855	A	15577	73	418	GKPDGDKVSQHLLWKG/YSF/ PPSLMKLSLAGYEILS*KFFSLR TLNIGPPLSSGFRVSAERSTVSL MDFPLCITQCFSPAALNIFSIST LVNLTIMCLGVALLEQYLCCVL
15488	45856	A	15578	2	460	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15489	45857	A	15579	1	2031	MATEVFLIPYALLQCSLASYP KPGIYVSPQMWVGSVTCSDQ KNTIEVLVPKAYTLARQQYKSL SEQVYSCHQGTLNTRAQESAAS LLKPARPRTRQKKETPNTSEHQ KEQTLDTPLRTVTLTTRVRGFI LEVSETKNPPISDTMGLDISKQE EVLGRESDEQGEQSQGLSEMQ TALAMLLTREPISAKQAPHEPP RRQEDNTQAREGETRSRKTRA EGQKGHAHAENERNAKERESE RKRQEAEDENGKEKQERNEG T HARHMKRRKRDEKKRQGQNK PGNKRPEGNEEAQRRRKKNRE RQRF SFYQSGPSAAGLLVFAGG PLQSLFAWVSPLEAAEQQRFLS VPSSGPLRKFLYFGFVGNATP LRGLNTHGRLLTPAHGTRRRHT RPLNSPVPEKAGSTTESNGSPY GQNPGLPPKGNRAQGEKWM GRRIQGTTRPRAREANHKKMT QIMFETNTPAVYMAIQAMLSL YTYGCTTGIVMDSSDGVTHTV P IYEGYALPRAILCLDVAGRDLT NYLMKILTEHSYSFTTMAEREI VCDIKEKLYYVTLDFEQEMAT AASSSSLEKSYELSDGQVITIGN ELSCCPEALFQPSFLSMESCDIH KTTFNSIMKCDMDIRKDLYTNT VLFGGNNMYPGIANRVQKIVTL VWMGSSILALLSTFQQMWVSK\
15490	45858	A	15580	485	886	VPYFHFTCSHSSASQLPFLQMM KIAKTCSLGLNRLPEAKLKAFP TPRVTSL/WPRQRGRPRR/GCGR NRSGSLVSAARGVGGRSQA AA ARRDAPSPPATSRMPPRQGSVS WGCARNAPGRRADPEVRRQPG PSCT
15491	45859	A	15581	1	435	
15492	45860	A	15582	2	339	HRCSTGAFSTAASNSNADRPPP ARRRGLPR/RGPP/SRRRSRPPR REPWPRTTRPRTRTAKARRRAT LEGRCCRACGHWQPRAAAAA AAAAAAVAAAAAAAAAAAAAA GASATW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15493	45861	A	15583	1067	2093	RRNTSSKCRSRNCRCPSPHRH RPSLRPRSQQPKCKCRPSRRSS RAPSSRRSRPQGLVPC*RAPPW PTSRWPGSPGFLLNCSRKGRC RPRHPSQPRCPCRSRLWCPSRQ LWSPHRESPPCP*TSRGS AWRS VSHRRQQDRPWWTQPVHMQQ LLKLKQQA VQQQKAIQPQAAQ GPAAVQQKITAQQITTPGAQQK VAYAAQRALKNPVSYHHTLPG PETGRGPASADPDGCKTSSSCS TANTRGQHPASCLCFPAGFSTD CGAHAGDGGRAAGADDPCSDR DCPGGSAETHSAAGGDHGVGP APDSRRSQSPGARQLRQPKPA AQVTDEGPCCQAKDTY
15494	45862	A	15584	10	607	RALCGESRLPLARKLS*AKKSV QRSTLQSRRIWVCWFHFAN*SL F*KQGRT*ESPL*L*LIPAS*RPS TSESPPL*KANFQQPHRGL*EKV AEGRRGP**EY\YTSSSSSSSSSS SSSSSSSSSSSSSSSSSSSSSSSS SNNSSNSRHHRRRRRRRLLSFLSR RRRHSRCCLSRSPRRRPRRHP ARLWLSRCTDQRKNFQLPRK TV
15495	45863	A	15585	217	1012	AKNDSKRQNFHGHRGQPTFGAD KAKGERVRTSSTIRTSYLDIT GPYLTGQWPRDPHGHPSCMK DKATQTP\SCWAEEGA EKRS HQ RSA\SWGSADQLKEETPTDLQQ NAQQKLYKPEEVGCLISDFLKE KENCQPRILYAGKLSSECTPDE EAVNIVEMITKDLEY YINLV DK EWQGLRGLTPILKEVLRVKCY QTASHATKKS GMKGKVSQFGK LHCYFKKLPLPLPSATAILISQ LTSTRQELHHKKDCNLLKTQMI
15496	45864	A	15586	2	387	
15497	45865	A	15587	1	165	LFMFFCLLYIR*QLLHPGYNA PF QNTAATRGRGIAQTAPEAA FQL FLHQRVRFHC
15498	45866	A	15588	172	359	PDGDGIESINYLGQYGHFHDIDS SYP*AWNVLFPVCILFYFIEQWF IVLLEEVFHIPCKLDS
15499	45867	B	15589	1	2850	
15500	45868	C	15590	1	2835	
15501	45869	C	15591	78	491	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15502	45870	A	15592	1	5721	MAVLSLPLAPPTLMPPAHFNLV EMQVKATLKEYWQRKSPGIPA GANRKKKINGSSPDATSGGYH SPGDSATGIYGEHASSATLED LELRQPTPSTSPNDCSLYPSPQS SSNSSSLHAPHSQYRELAVALH SSSAIISQLSENINSLNENKSAL QLERQVKELKLGELKETVTS DP SNNGWEAVTSLWEGERLPARG AEEPRGSESTAAARPVPVSPAA VRGRLVAGEPGSYQPAETA AK AQLSLMALPGEGY
15503	45871	C	15593	178	1287	
15504	45872	B	15594	52	855	
15505	45873	C	15595	1	1698	
15506	45874	A	15596	302	617	NLAVNPSGPGLFLIGKLLIIASIS EHVIGLFRDSTSSWFS LGRVYV SRNLSVSSRFSLVFDDGDVQMG FWCGCPLCLLVFLLTAGPSAA GLLEFAGGPLQTLFA
15507	45875	A	15597	1	2762	MYGTGYRDVAGKWAIDPDSK REFLDVTQEGIQGCDFSGTCRQ TLSILTQPLRQWGLEGIKKPNS WIIEESVSNGGPPLIPRQTAS GVDLQQTPTDLQLRVLT VRRK TNKQKGIASSTKRTSTPKPHL YVTIHKDQSYIKPQRWGKNIAE KLKILKIRVALSLQRNAAPHQQ WNKAGRRMSLMSSQKKASEVI ESQMNEIKGEEKFREKRVKRNE QSLQEIW DYVKRPDLRLIGVPD SDGENGTRLENTLQDI
15508	45876	B	15598	1	1989	
15509	45877	B	15599	1	762	
15510	45878	A	15600	686	850	GQPERKVGLPTKGSPSD*QRISR QKLYKPKESGGQYSTFLKKRIF NPEFHIQPN
15511	45879	A	15601	2	382	
15512	45880	A	15602	1	993	
15513	45881	A	15603	3	460	SPCWGQLLQATQP/ATAFAQKD LLVGAVLFGHNGSLSSRNTLAF SMDVGPSQWMWGLLNGCGAS AHRQCTRCTLQVTIALEGPLAP LKLA WHKKIYIFLGEAAEIRR D QLEAERELFHSRAEQGR LFVGR PGQAAHMLPPGDCVSIWTQH MIT
15514	45882	A	15604	1	130	
15515	45883	B	15605	1	561	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15516	45884	A	15606	94	420	EKAVGRWIFQSKRYRSPCEKPY SKGLQVQRTVPEGPSKAARAA QAPGPNLLPCLPT/PQTPEFIISEP LANMYSCGNQNTLMEELAEQA QQHDEMLHMHHALKEALSIIS
15517	45885	B	15607	46	747	
15518	45886	A	15608	186	364	AFAPAPCTLVPGVLRGPPILLRE TGLAH*CPAVISPPKSLPWLPTA YSVESQQVILFGL
15519	45887	A	15609	155	511	GAAVAGTQNLCLGGGGAVGG S*RGALNGEGLLHPGYNAPFQN TAATRDRGIAQTAPEAAQFLFL HQRVRFHC*FLLWREGRGR*AR REPLSRPQPPAGPLGGALPAPPL PDASTLVGVG
15520	45888	A	15610	1352	1684	MSIRSAWCRAEFNSWISLLTFC LVDLSLVFDDGDIQMGFWCGC PFCLLVLLTAGPSAAGLLEFA GGPLQTLFAWASAVVAEEQOI LVSSKCCCLIVPLEVLSQRSTWP
15521	45889	A	15611	98	367	
15522	45890	A	15612	426	738	VCVWGDPPGPAGGHGEAAATL WKEKVDLKERVEKLELQFIHLS GQTDITGRKYISQGAVSETQHW ERRTSSGWP\GPGGDEGEPA AGQVLQLVGDHKEGHGKF
15523	45891	B	15613	86	1411	
15524	45892	A	15614	950	1493	GTVFLWRRRGTLIFRVSGFSAL FFPPSLWFYLPFVDDGDLQME FWYELSFLMLLLFLCACWFSF *QSGPSAAGLLEFAGGPLQTLF AWVSAVAEEQWILVNRKCCC LIVPLEVLSQRSTRPCEVSVHPY VHCCLGIEELNIYCSLHSLGLFE AILLGKAFEELGCCDPSLFATV
15525	45893	A	15615	1	5731	MDSHRPTAWPAAVLAGRSPVA AESERYCSRQPPLPRRQALLSV LVLASDTRLFPFWSSQTFCGILS KPLVLSGPLQTQGETNNENGLV GGGEVGMQPLVLFERSLFPGRG CVLERRIVPWMRQESYSSSPI WVDSDELNLTSVLECLEDDK NNNLLHQQLKWLICGLCRLYN LPKHLDVAMPDQPLPMGQSGP SAAGLLEFTGGPLQTLFAWVSA ALAAEKQILVNCKCCCLIVPLE VLSQRSTWQYELKEYW
15526	45894	A	15616	2	521	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15527	45895	A	15617	1	1261	MSEHNITEECQQENQSIEQWRSI AHSDSIEVSWLHEVIKTYLKAK STKLDLMKKLKELSSQPSRKPK PFIPSQEGTGDNDVIYSTERLSK LLNQKKGSTRLYDKPLSNLLNQ KKVSTRTEGLTVDSRADMRNV TTILLSTESSSTDSSSSMDSSSSM DSSSSIGRVETATCAMIPVQKSK RSGPPQGPSAATGDGAEGRFLP RCSRPWADRLAWSQPRRHLAP GPSAATGDGAEGRFPLCSCCG TDRLAWPQPQGHALLPRCGE CGRARELPGDCCLHAEGGCSSV LEVLARAIRQKKEIEEIQIGKQE VKLSLVADDIIFCLENATDSSRN LLELIKEFSKVSRYKINGHKSVA LPYINSYQAENHIKNSTPFTIAA TNNNNKK\KNLGIYLAKESKDS YNENYKTATERNHRWSQAR
15528	45896	B	15618	60	499	
15529	45897	A	15619	134	1416	RTSICWTMDSSVQNTVLGPTRS SVKGVMEWLQYLMERR/CTL SISMESMPRVAEDAGDVGAEE PLHLEPPAGPLEVEQQLQAEIK HLRKTLESLAGQLQAQVEANE GSSHLNRQQDERLREWKAEW EEQGETGRSSVQKDRTTISHAL SQNHQLEEQLAKEERLEATSQQ NQQLQSQMSLMALPGEDELG SKEEEEAPQPMPSILEDLKSREA MVAFLNSALVSAEEEQQAQLH GQLKEQRVCCQH LAHPVALAQ KEPEAAAPTPTGGDSAVWTV DLQVEKTKFIMFTIKPGEVVNK DMAQSIYRSGKNLDKDMYGH DLEARRKTNRPLETTFYFLSYE LDYSRCFIGCLKCLCLPSPSATI GSFLKPSQKQKPVCLLYSLQNH EPIKPLFFINYPDSDSYRHTQVIR ILLSGSIHVQVPATKTPL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15530	45898	A	15620	1	1665	MGGHVGGRHRMLTPKLIPEL AAGSMKINPEEPNRPPINGAPG GPALPLAAGDSGSEQAGEPALA ASELQGWSTLGSPGSLRGTGI VATRSRGRFRLSPASLGRRSR DRKTKELAFAGSGLATRGQRA SSDAAAGPPLSRCSPARTPQLPV RGS LTGPAPAPPRARVCLLSC SCRQFPPLTGGLNVGRPSGPS WKICPRSLPSASAETGIRRRRAA AHPPLQQPPLCGESLPSVQCSA NADSSIPVPSRWSQDACRNTGA AGPPGYACVNNRNRTDKNSQ LDETHMKTKVTDRGGFGAFT MLLRVVDTGHTSCSGSVEWDP RLYGDQADLSRSHLDRPGAH HDYYTAIKKCEEGKSLDTTVK VKAGVNGFGRIEHLVTKPAFNS GKVDIVTINDPFVDLNNMVYM FQYDSTHGKFCGTVKAENRKL VASGNPITVFQ/ERDPSKIKWYI AESTCIFTMEKAGADLQGGGA KRVIIAPSADAPMFVMDVNHE KYDNSLKIVSNASCITNCLAPL ANVIHNF GIVEGPMTTVHAITA TQKIVDGPSGKLA
15531	45899	A	15621	2	1105	GRVGCSTVSRIFSCVASRATSLR TPMGKVKVGVNGFGRIGRLVT RAAFNSGKVDIVAINDPFIDLN YMVYMFQYDSTHGKFHGTVK AENGKLVINGNPIT\FQER\YPS KIKWGDAGA EYFVESTGVFTT MEKAGAH\QGGAKRVIIAPS ADAPMFVMGVNHEKYDNSLKI IS\NASCITNCLT\PLAKVIHDF GIVEGLMTTVHAITATQKT\LD GPSGKLWRDGRGAF\QNNIPAS TGA AKAVGKVIP*AERGKLTG\ MAFRVPTANVS\VDLTCRLEK PAKYDDIKK\VVKQGVGGPPQG AILGYTEH\QV\SSDCNSGPPV FPPFDAG\AGIALNDHFVKLISW YDNEFGYSNRVVDLMAHMAS
15532	45900	A	15622	121	221	
15533	45901	A	15623	189	538	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15534	45902	A	15624	3	1015	DRAGPPGAPRLGQQLLCAIILL GLAAKKKEINITIHKQLLKFLN KKPSYGLERQMETTQNLVDSY MAIVNKTVDLMVGVMPKTI MHVMINNTKEFIFSELLSNLYS RGDQKTLMEESAQAQWRDE MLRMYHVLKEALGIIGDINTTTI STPWGPVDNSWLQVQSVLARR R/SPGLAPTAPSLPTPHRLSLGA LGTGSVPTLLHHPGSSSVSSLG LVA/DCFGLPKARGGPGQRLPF PSLPGRLFCDLAVAPPAPKAAP FICDFVYCCDQASEPVGCGQQT APHRLHGSPLGIPQAPPSIQA WLRAAVFWKGALCPRCGRHIQ EFLHRCTLVSL
15535	45903	A	15625	547	1242	PKALIKTSNKSSLSYQLTTHSGT MACPWIRHEVLLSRLGFLVLEN TNMDKRPSKLLRWLERQMETT QNLVDSYMAIVNKTVDLMV GVMPKTIHVMINNTKEFIFSE LLSNLYSRGDQKTLMEESAQA AQWRDEMLRMYHVLKEALGII GNINTTTISTPWGPVDNSCLQV QSVLAGCSFIILVQAVFLLYQA WWLLFWAPQGERWPWTSGLE DTVTREEGSPKGLSISL
15536	45904	A	15626	108	308	AQKHHLT*LSFLPRH*ILT*NLT KIPTSKIKKTPRSRSPRRSTSCFL DNLAPSCGCSGKGSSWRIC
15537	45905	A	15627	687	1910	KDHQLRKKLRRRGKQGAFTAA LPPGSPRPPLRGGRSGGVGLGV RGQRTPOAPQAVTPSEGPEPLW GPVLGGGGEHRRGTGASAAAG ASMRLGAAGGGAGAGPQRG VGARVVVSEEANSPGAAITSNR ETQDANEGLSAPRPECLLHPTC RLLYVPLIVRDWVCHTRSIVLL QVVNVTGIAVGTGLASAYDTL MSQSFGVKNLKRVGILQRGVL ILMLCCFPCWADLVNTERILL LKQDPKSPGWTRCFQEWGSYI HLVIPSFMVCTEQWTFEIGNF LAGLIDVMELGTQGIICELASV AYMNYFRLNPQPPISDFTINLAF LTLTERKILGYIQLRKGPDIVGP YGLLQPFTDAVK\FTKEPLWPS TSTITLYIIAPTLALSIVLLALPT RMLAATPRPRGT
15538	45906	A	15628	1	1173	
15539	45907	A	15629	3	1447	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15540	45908	A	15630	1	215	MDPKQEEIPDSPEKEFRRYRIAE WIRIHQPIICCLQETHLTHKDSH KLKV/KGWNKAFHANGHQKSA ARETK
15541	45909	A	15631	1	1524	
15542	45910	A	15632	1	575	MALERSQPDHVSHDRIYVK HPEYANLYRQKVDYTLPRVSIS IHVGQAGVQIGNARWELCYCLE LAIQPDGQMPSDKTIGGGDDSF NMFFSEIGAGKHVPRAVFVDLE PTVVDRCLGHWMAAFLGEEV HTGTYRQLFHPEQLISGKEDAA NNYSRGHYTIGK/EDLVLDRIH KLLTSQCRKPKATMWLSQAT
15543	45911	A	15633	208	465	
15544	45912	A	15634	107	827	EARRPCTLHLRSALHPATMCEL YSKRDTLGLRKKHIGPSCKVFF ASDPKIVRAQRQYMFDENGEQ YLDGINNVAHVGHCHP\EVVKA ALKQMELLNTNSRFLHDNIVEY AKRLSATLPGETLCLLFYKFRG YWPSTNPSSRPAAPASPPAAE RAGDFRAGRKPSVPGSRVSOGS PRGPCSRLSLSTFCTRYCPLSAL TSGPGCPYPMCFFLSPRVSRLLY SSHMVAGCRALRRCKNSH
15545	45913	A	15635	3	1218	GGLWEKMAAAA\QSRVVRYLS MSRSAITA\IATSVCHGPPCRQL HHALMPHGKGGRSSVSGIVAT VFGATGFLG\RYVVNHLGTAW GSQ\VIIPYRV*IKY*QSMHLSFP WG*PGGQLSVFLGNWGTARD* RFLFRVSYNTGNVGSILFGTR LGETKNF\DFWRDVFKIPQAIA \QLSKGSWEFEKFISCFHIWNGG II*KALS*DI*GNKAVGEKVVRD AFP\EAIIKPSDIFGREDRF\LNS F\ASMHRFG\PIPLG\SLGWKTV KQPVYVVDVSKGIVNAVKDPD ANGKSFAFVGPSRYL\LFHLVK YIFAVAHRLFLPFPLPLFAYRW VARVFEISPFEPWITRDKVERM HITDMKPLPLPGLEDLGIQATP LELKAIEVLRHRRTYRWLSAEI EDVKPAKTVNI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15546	45914	A	15636	2	799	GLWEKMAAAAQSRVVRV\LS\MSRSAITAIATSVCHGPPCRQLHHA LMPHG\KGGRSSVSGIVATGFGA\TGFLRRYV\NH\LRMG SQVIIPYRCDKYDIMHL\RPMD LGQLLFLEWDARDKDSIRRVV QHSNVVIN\IGTRP/WKSKNSD YEDVFVKIPQAI\AQLSK\EAGV EKFIHV\SHLNANIKSSSRYLRN KNRKREKEEMKKDLLSKKEPE PEDLENSQLIHIAKNEKACFEEN TKSVAEQPFDEEIVDATHQLTS YLGRSQE
15547	45915	A	15637	560	1394	RKSSSVHNAASGLLGSRAPGAH RHLGRCRCRHLVSPSPAMAE DLSAATSYTEDDFYCPVCQEV LKTPVRTTACQHVF\CRK\FLTA MRESGAHCPLCRGNVTRRERA CPERALDLENIMR\KFSGSCRCC AK\QIKFYMRHHYK\SCKKYQ DEYGVSSH\PNFQISQDSVGNRIE NNTGIKQIPGAPAFGDGRV\GCR QRNAKTELLAAAGESPCTMSL GSGPNLGSPRSKSSSVTSPQPC FTEHPRERFVSFPVHYVLEGS R MSFLLWSLKTDRIFGH
15548	45916	A	15638	1	1026	MKVVCKEVKFEKQCPEAVLLH WEQTDDDENKRCDLREPRKPE THTKGPGLLVPTTQPGRNEGQS GADGKHARCSKTSCCLSGKEPS FIITEHCPLVPVQNTTIKPD SGIR ILQTLDSRETFTMSTALDVLQM KEEDVLKFLAAGTHLGGTDLD FRMEQHICKRKSSGGIYIINLKRS WEKLLLVAPAIVA IENPADVSV ISSSSTGQRAMLKCAAAATGATP IAGHFTPGTFTNQIQATFPNPRV LVVTD CRTGHQPLAEASYV\NN LPTIALCHTDSPLHHVDIAIPCN R/KAHSVDLMWMLAREILPM\R GTIARKHWEADPEEIEKEEQ AADKALTKEEFQGE
15549	45917	A	15639	20	441	TAEIAIPCNNKGAHSVG*MWR MLAREDLRMRGTISGEHPWEV MPDLYFYRDTEEIEKEEQAAAD KAVTKEEFQGEWTAPAPEFTAT QPEAADWSEGVQVPSVPIQQFP TEDWSAQPATEDWSAAPTQA TEWVGATTDWS
15550	45918	B	15640	88	531	
15551	45919	A	15641	1	1302	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15552	45920	A	15642	150	957	KAGASCCGSANPYVSVGKSCV LLAMAQLQTRFYTDNKKYAVD DVPLSIPAASEIADLSNIINKLLK DKNEFHKKHVEFDFLIKGQFLRM PLDRHMEMENISSEEVVEIEYV EKYTAPQARSNAWFHDDWISSI KRGRG\RILTGSYDKTSRIWSLE GKSIMTIVGHTDVVKDVAWVK KDSLSCLLLSASMDQTILLWEW NVERNKVKALHCCKGHAGSV NSIAVDGSGTKYFGLRIEPPKA VSLVEEINSLSYRWTADNYKV GSGGKEED
15553	45921	A	15643	3	393	VFCCPHCSLTFSKSFSSFSRLVR HQQTHWKQKSYLCPICDLFGE KEGLMD/HLEGL*RQGPQSSH HKCRVILGQWLGFSDVPTMA GEEWKHGGDQSPPRIHTPRRRG LREKACKGDKTKEAVSILKHK
15554	45922	A	15644	335	537	VYFKQVTLDSSCRL*ERQVKST SSWNILSSTWRLPFCPTSVVLRF LTWICLRTISTSSISWFPADSS
15555	45923	A	15645	153	828	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15556	45924	A	15646	1	2002	MLESAGNQDIEDVDIVLRQIQV KNRSTTEVGQNGNLQVEVSYT QAHIAPRPLASQGTWPHFVSSA PQPCFQVQNHSKYQNLYYSGFI RETEPISKGDVGEWLSAGKGES SAMFASEQEISKDEQGTPVLGS FYWEVDSRKESSQAWAPGQE WIKLERDTTECKMFEQLKPIEP VQKTLPWVGEVAATLQEAMK RDCWREARVKKKPVTFEDVAV NFTQEEWDCLDASQRVLYQDV MSETFKNLTSVEGKKKELREQ HPSLRDEGTSDDKVFLACRGA GQCPLSAPAGTMDRTRVLQAS QAGPP/FFATTVGKCFRRSYL YSHQFVHNPKLTNSCSQCGKLF RSPKSLSYHRRMHLGERPFCCT LCDKTYCDASGLSRHRRVHLG YRPHSCSVCGKSFRDQSELKRH QKIHQNQEPVDGNQECTLRIPG TQAEFQTPIARSQRSIQGLLDVN HAPVARSQEPFRTEGPMANQ ASVLKNQAPVTRTQAPITGLC QDARSNSHPVKPSRLNVFCCPH CSLTFSKKSYSRHHQKAHLTEP PNYCFHCSKSFSSFSRLVRHQQ THWKQKSYLCPICDLSFGEKEG LMDHWRGYKGKDLQSSHHK CRVILGQWLGFSDVPTMAGE EWHGGDQSPPRIHTPRRRGLR EKACKGDKTKEAVSILKHK
15557	45925	A	15647	1	1048	MPSLAELFEGSSKAFGAAASQL NFPVASGEMLKFKYGLRNLPH AVAAEPIASRTSRLNLFQGKPP FMTQQQMSPLSREGILDALFVL FEESQPALMKIKHVSNFVRKY SDTIAELQELQPSAKDFEVRSLV GCGHFAEVQVVREKATGDIYA MKVMKKKALLAQEQVSFFEEE RNILSRSTSPWIPQLQYAFQDK NHLVLMMEYQPGDLSLLNR YEDQLDENLIQFYLAELILAVH SVHLMGYVHRDIKPENILVDRT GHIKLVDFGSAKMNSNKMVN AKLPIGTPDYMAPEVLTVMNG DGKGTYGLDCDWWVGVIAIY EMYGRSPFAEGTSARTFNNIM

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15558	45926	A	15648	101	220	KRQQAFGLLDLHQWFARGSQG FRLQTEGCIIGFPTFEV*RHSGFL SCQSSCTGSFSSVWADVPLMFE GAAQPV*PVPSRGSADFRPLSIC *RSSRILLVKRCENSGVR
15559	45927	A	15649	597	808	ITMKSQRQIIKKA VTTKEMKSV CRRD/TPAFMFIAALFKIAKIRIQ RLCLSTDEWIKKMWYIHTMEY YSTLK
15560	45928	B	15650	161	3156	
15561	45929	A	15651	14	270	
15562	45930	B	15652	787	1821	
15563	45931	A	15653	1	2412	MAKSKGCSAATLASTHQILVTP WSCDNQKCLQTLNPVPGGTLK LLCEDHWFRNDSCNQAIPTIAT LLSFPSLQASLWTHFLSPLNH HPVNPDSHLEQPPGQSPRLNFE AGDPERAPHALGCKRSRTRATS DRQPMASRDPGWGKASVGKA CALGSAVLPAGNDCTTDNLGL GSAGFEDLRRLGQGPPRRQGA LQAAPRKASSCAAGQRLAPDSS FSRKRPSRQRLGCETAAVADT AEAKSSEAPAFGWSTMDEAGS SASGGGFRRALDEPPNSRIFLVI SKYTPESVLRERFSPFGDIQDIW VVRDKHTKESKGIAFVKFARSS QACRAMEEMHGQCLGPNDTKP IKVRVPGSGCPRGKEWASWTS HLLLCRGEggVEHPFPAADQT APGLGTGAALRRGSPPTKLRRV AGKGTGCGVFAPRERTRQPRPP GDRTAVAGLP/SPSPSLIHQLLSS LPNSS*PTLSTFLTFLSQMPRFP YIKNGKTL/PFPQVFIAQSRSSGS HRDVEDEELTRIFVMIPKSYTEE DLREKFKVYGDIEYCSIIKNKVT GESKGLGYVRYLKPSQAAQAIE NCDRSFRILAEPKNKASESSE QDYYSNMRQEALGHEPRVNMF PFGHGVVQYFNVASAIYAKYK LHGFQYPPGNRIGVSFIDDGSN ATEKMATQMVAACLASMVWN NPSQQQFMQFGGSSGSQLPQIQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15564	45932	A	15654	375	2059	DSSVWQTPQKQRAVRPLHSGG APWTKLAALRATRGFRPGVDS LDEPPNSRIFLVISKYTPESVLR RFSPFGDIQDIWVVRDKHTKES KGIAFVKFARSSQACRAMEEM HGQCLGPNDTKPIKVRVPGSGC PRGKEWASWTSLLHLLCRGEG GVEHPFPAADQTAPGLGTGAA LRRGSPPTKLRRVAGKGTGCG VFAPRERTRQPRPPGDR TAVAG LPLSLALTNPPELEFTAKLVLA YFEYFSDLPLSDAQISYKRRKN STFPQVFIAQSRSSGSHRDVEDE ELTRIFVMIPKSYTEEDLREKFK VYGDIEYCSIIKNKVTGESKGL GYVRYLKPSQAAQAIENCDRSF RAILAEPKNKASESEQDYYSN MRQEALGHEPRVNMFPFGHGV VQYFNVASAIYAKYKLHGFQY PPGNRIGVSFIDDGSNATDLLIK MATQMVAQAQ/RLHQWCGITQV SNNL/WQFGSSGSQLPQIQTD VVLPSCKKKAPAETPVKERLFI VFNPPLPLDVLEDIFCRFGNLI EVYLVSGKNVGYAKYADRISA NDAIATLHWKDSEWGET
15565	45933	A	15655	257	412	
15566	45934	A	15656	3	866	HAASPCCCYEEKQSPLQKHLRV CSLRTWSLAARVAEGTAETVD PSAAPKTSVWSSRVCWGRLLA TISPSVNETDTCGMEDRRLVVC RPWRAQCHMKAWGWRHPEEG GTHSGAPSAVLQALAVAIQLGG HLADPLLQVDPLSSCGAVSLDI LIYLVFYYRTASVPETYIVKTLF KKLESQSLIQSNVLTRSNMKA ERGEEAAKEKSEASRGWFMRF KERSCLHNIKMQGEAASADVE AAASYPKDLAKITDEHGYTKQ Q\FDVYKTAFCWRVMLKKYVK LLFVLCPLP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15567	45935	A	15657	333	1034	RLSTTVMRGAFVFMHKMPRL WLDYCQFLMDQGRVTHTRRT FDRLRALPITQHSRIWPLYLRF LRSHPLPETA VRGYRRFLKLSP ESAEYIEYLKSSDRLEAAQR LATVVNDERFVSKAGKSNYQL WHELCDLISQNPDKVQSLNVD AIIRGGLTRFTDQLGKLWCSLA DYYIRSGHF EKIRKAPVNGGPT WMVGQNSVPRFQTRRLTPLKR KGPLVTD FREKQPTPLAQE
15568	45936	A	15658	172	346	ARPCRWC PGS*TSASAPGPGLR PCPPAGDRT PASPPLHNQAAA APPGPGTWRGAAAS
15569	45937	A	15659	293	482	
15570	45938	A	15660	468	791	LAKCGCLEARGRARQTSGRPRP TDGGP*SPCWETGKGHPVLGR RGS/PGKQGL*SLPQSCQGQWR CAASRLSSKNSWACMG SREA VSQETGTSSSLGLMRPSDKKP
15571	45939	A	15661	366	609	
15572	45940	B	15662	321	739	
15573	45941	A	15663	I	1815	
15574	45942	A	15664	I	1911	
15575	45943	A	15665	437	1125	PVSCSGHSRWAAAAISIALSMIE TVNMVFTFYSRHHGTISTRVL/I GKRPERQDGGDTVNLGTLEET ASPSPVTTSPQPMLPSAFPPL SEEINPALPEATVMASPEAVAR QDNVDSAQEPPTPLCASRPTT RQKSWWGARGEVESVTHEEM HYTGKELLEFSNLYKEKSGEQA WEWILRVWDNGGRNIQLDHPE FVDLGPLSRNSAFNVA VRGVK KGSKS LFAWLGEI
15576	45944	C	15666	49	186	
15577	45945	A	15667	80	877	GAERLPEGPGKRMVFR RFVEIV GRVAYVSFGPHAGKI/VSAMVD VF\DQNKGFWSNGPCTQVR\IRQ A\MPFK\CMQLT\DFILKFP HSAH Q\KYVRQSLGRREDINTKLGP TRWGQGRFESQEEKEKPRLTDF *SVF*S**RAKEN*RDRINPRNE V*EAFKRAAFPGKASSQKKAPG Y*GVLLAAAAAAAAAAAAAAAA AAAAAAK\VPAKKITVAASKK APAKVPAQK\ATGQK\AAPAP KAQNGSKSSKPQKAPAPKASG KESISGNHKK
15578	45946	A	15668	253	1218	
15579	45947	A	15669	I	1819	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15580	45948	A	15670	1	2422	MCPILREHRGSTEGRKRRQKRLP LELTLKDDEVLAHREQEIEVAKA SPSKGNIIHFHYKGVVEYHDQQ DVTSNFLGAMWLISITFLSIGYG DMVPNTYCGKGVCLLTGIMGA GCTALVVAVVARKLELTKA EK HVHNFMMDTQLTKRHCPWAA TIQPKLSFLISLPGCDYRGESAR ARPLSHPPLQLGLGKDARYLRI CDRSLLCVCAAAGNAGLRPRD SPHTLLHWSRSPYFFSPKPVPP QLLGGQPAHSSRRDDLGEAGV GRGGCCFAALRGVQSEKWSGF HTVPEPAPGQGDVMPIVLVRPT NRTRRLDSTGAGMGPSSHQQQ ESPLPTITHCAGCTTAWSPCSFN SPDMETPLQFQRGFFPEQPPPP RSSHLHCQQQQSQDKPCPPFA PLPHPHHHPHLAHQQPASGGSS PCLRCNSCASSGAPAAGAGDNL SLLLR TSSPGGAFRTRTSSPLSG SSCCCCSSRRGSQLNVSELT SSHASALRQQYAQQSAQQSAS ASQYHQCHSLQPAASPTGSLGS LGSGPPLSHHHHHPHAPHQH HQPQARRESNPFTEIAMSSCRY NGGVMRPLSNLSASRRNLHEM DSEAQPLQPPASVGGGGGASSP SAAAAAAAAVSSSAPEIVVSKP EHNNSNNLALYGTGGGGSTGG GGGGGGSGHGSSSGTKSSKKK NQNIGYKLGHRRALFEKRRLS
15581	45949	A	15671	1	246	SEPPHRGPTGALPSGAVRRGPL SSRPQIGRSTDLSHCVP GKATD AQRQPVKAAGSGAVPCKATG WSCP KL*EPISCINVTIC
15582	45950	B	15672	43	741	
15583	45951	A	15673	687	1012	FHTSRPFWNISELSRFCIQKYKK PWHSVSDFYRYQFFICQGTACC PASLRM*HCPN*ILQGTSSQNCC SCSGKSCSPMQQRHRSTVCSGS GTFCVGSCESEFEGTYFSR



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15584	45952	A	15674	1	1640	MSCDTNGEVEGGRVDSKTRGR QEVERNTETHLGSLNCDIPLIF LTYEWRGILEYKIFSVKTGEVL GKPGQLGHPTGQTTFETGTQV TSMQEMGSYSFGQPHVALQG TAPLPAAFTGWRLASVAFPGTQ CKLSVDLPIWGLEDSPDLLTAP LGSAPVGPLCGGSDPTFPFCTA LTGPSAASLLEFARGPLQTLFA WVSAEVS AEQGGFFVNHECCCLI VPLEVLSQRSTRPCEVSVCYPYW GVPPRDRSNQCPSGFTLDSVGP FCADEDECAAGNPCSHSCHNA MGTYYCSCPKGLTIAADGRTC QDIDECALGRHTCHAGQDCDN TIGSYRCVVRCGSGFRRTSDGL SCQDINECQESSPCHQRCFNAIG SFHCGCEPGYQLKGRKCMDVN ECRQNVCRPDQHCKNTRGGYK CIDLCPNGMTKAENGTCIGECL AVSVTEIS/CAVNKSNIDECKDG THQCRYNQICENTRGSYRCVCP RGYRSQGVGRPCMDIDECENT DACQHECKNTFGSYQCICPPGY QLTHNGKTCQGKLPFKQIESGG
15585	45953	A	15675	1	669	MGFCHDGRSIAFRGERGNDESA IEMIKVSHLKQYLAVVFRDKPL ELWDVRTCTLLREMSKNFPTIT ALILTGRCASLKWRSKPKKEEF MGYRQWNPTQESSKGDFEIQL EGGPSMATVYRTEMQPVQIGIE LLPSPLSFHPSNPNGIPNDPSWL LSTATLHPPTGVERSSSPATEQR WTENDFDELREEGFRRSNYSEL REDTQTKGKEVENFEK\NLEECI
15586	45954	A	15676	1	323	MAHESAEDLFHFNVGGWHFVS PRSKLSQFPDSSLWKEASALTS\ SESQRLFIDRDGSTFRHVHYL YTSKLSFSSCAELNLLYEALG LQLMPLLQVRCSCFLGVVDQ
15587	45955	B	15677	1	1443	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15588	45956	A	15678	1	708	EV TASPQGVSAVSKGDQKWT ALGKGLTFIKAVGSIQRNRWRG WQLKALYQCTTIAGATGVFLR VYRALDVLQMEEDVLKFLAA GIHLGGTNLDFQMKQYIYKKK CDGVYIINLKRTWEKLLLAACA IVAIENPADVRVVISSRNTGQRAI LKFAAATGATPIAGRFTPGIFTN QIQATFQEPQHLFFTDSDRADH/S PLTEASYVNLHTIAPRNTDSPLC YVDIAIPCKKGAHSVGL
15589	45957	A	15679	78	757	REIFINVRSLLMACFVKEEDVL KFLAAGTHLGGTNLDFQMEQY IYKRKSDGIYIINLKRTWEKLLL AARAIVAIENPADVSVISSRNTG QRAVLKFAAATGATPIAGRFTPG GTFTNQIAAFREPRLLVVTDP RADHQPLTEASYVNLPTIALCN TDSPLRYVDIAIPCNNKGAHSV GLMWWMLAREVLRMRGTISR EHPWEVMPDLYFYRDPPEEIEKE EQAAAE
15590	45958	B	15680	1	1767	
15591	45959	A	15681	98	412	
15592	45960	A	15682	521	600	PSPGES/PPLQPDPPVPPWPPPEE EPRA
15593	45961	A	15683	117	285	
15594	45962	C	15684	12	468	
15595	45963	B	15685	1	840	
15596	45964	A	15686	1	1173	
15597	45965	A	15687	1	2931	MDLFMNVAMLRARYLWSEA VSGFGAQDPKSLALRTHCQTSG WSLTEQDPYNNVIRTTEALAA TLGGTQSLHTNVFDEALGLPTD FSARIARNTQIIQEESELCRTVD PLAGSYIESLTDQIVKQARAI QQIDEAGGMAKAIEAGLPKRMI EEASAREQSLIDQGKRVIVGVN KYKLDHEDETDVLEIDNVMVR NEQIASLERIRATRDDAASDTR EIVDLTNGNIKTFNGSIHYARFD TGRHLFSGGNT
15598	45966	C	15688	1	1779	
15599	45967	B	15689	22	1531	
15600	45968	A	15690	98	412	
15601	45969	A	15691	521	600	PSPGES/PPLQPDPPVPPWPPPEE EPRA
15602	45970	C	15692	175	454	
15603	45971	A	15693	332	494	RKEMASGFSGKPTLGCCVRRAL PDGDTQLQLLLRGNHDSVLGA KRRDKGEAGPD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15604	45972	A	15694	2	1276	HTLHSLVTILGTWALHSGPALL LPRPGSGLDFLLSPVLPSPQPPG LPTPTPFTNAVQLLLTLKLVSLA SEVQDLHLAQRKEMASGFSKG PTLGLL/RRRALPDGDTQLQLL RGNHDRPVLPPLPLPGLAGAAL PRGSA\SLRPLLRRAPAPLFG LFLSSHLFPLEAVREDAFYARP LPARLFYMIPVFFAFRMRFYVA WIAAECGCIAAGFGAYPVA ARA\GGGPTLQCPPSSPEKAAS LEYDYETIRNIDCYSTDFCVRV RDGMRYWNMTVQWWLAQYI YKSAPARSYVLRATAWTMLLSA YWHGLHPGYYSFLTIPCLAA EGRLESALRGRLSPGGQKAWD WVHWFLKMRAVDYMCMGFV LLSLADTLRYWASIYFCIHFLAL AALGLGLALGGGSPSRRKAAS QPTSLAPEKLREE
15605	45973	A	15695	134	601	RDGEQPLWAWGSPCSPVAPTL CILWAPSSGPGSPFRPSPAPATP WLWGLSPISCDSEPSASWACP LPCPSPKPDRWLLTLKLVSLAS EVQDLHLAQRKEMASGFSKGP TLGLL/RRRALPDGDTQLQLL RGNHDSVLGAKRRDKGGQTTH FVQV
15606	45974	B	15696	76	504	
15607	45975	A	15697	11	706	HITRGRSCTRWTSSAMAKGAPR VILLCLFGAALCLTGSRALQCY SFEHTYFGPFDLRAMKLPSISCP HERFEAILSLDTGYRAPVTLAR KGCWTGPPAGQDAIEPGRAAA RLLG\VRGCTTDKCNALMTH DALPNLSQAPDPPTLSGAECYA CIGVHQDDCAIGRSRRVQCHQD QTACFQGNGRMTVGKGLEGW KGLGKGYGGRAAMRVVIPDRP NRETWPCSEVGGMTLV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15608	45976	A	15698	2	1642	DEGRAKGHHTWQQTRENESQA KGETPYKTIRFRETYHKNMGMG ETTPMIQLSPTGSLPQHVGIMG ATIQDKIWVRTGLPGFPPTPGL PVSSGFPSPGFPGLQGPVSYG PTGIPGPIGPPGPPGLMVSSGPP GLPGPKVILGLNFQGPKEKVS KGLQGPFPQISEQKRPIDVE FQKGDQVSNDRGPPGPPGIRG PPVSTGGEKGEKGEQGEPPGKR VSEKDGENGQPGIPVSSGDPG YPGEPGRDG/EKGKNVMGPPGP PGFPGERGQKGDGPPGISIPGP PGLDGQPGAPGLPGLPPGAPGH IPPSKLGDTFCNCIGTGISGPPGQ PGLPGLPGLPGLAGAPGAPGF GSKGEPGDILTFPGMKDGKEL GSPGAPGLPGLPTGQDGLPG LPGPKGEPVCTFKGERGPPGN PGLPGLPGNIGPMGPPGFPPGP VGEKGIQGVAGNPGQPGIPGKF GDPGQTITQPGKPLPGNPGRD GDVGLPGM*GLPGQPLPGIPG SKGEPGIPGILPGPPGPKGMLL
15609	45977	A	15699	246	433	GLFPLEPGANGI*GC/SGRIRAQ RWLPGRPKFTGESFIR*PPRVAK ESGQLIWFGCVPTQISS
15610	45978	A	15700	179	5262	RSCGSRRRMKLRGVSLAAGLFL LALSLWGQPAEAAACYGCSPG SKCDCSGIKGEKGERGFPGLG HPGLPGFPPEGPPGPRGQKGD DGIPGPPGPKGIRGPPGLPGFPG TPGLPGMPGHDGAPGPQGPIC NGTKGERGFPSPGFPGLQGP GPPGIPGMKGEPGSIIMSSLPGP KGNPGYPGPPGIQGLPGTGIPG PIGPPGPPGLMGPPGPPGLPGPK GNMGLNFQGPKEKGEQGLQG PPGPPQISEQ
15611	45979	A	15701	155	623	FNYLPPGPSHN/DVGIMGATIQD KIWGPPGLPGFPPTPGLPGERG FPGSPGFPGLQGPGLPGTGIP GPIGPPGPPGLMGPPGPPGLPGP KGNMGLNFQGPKEKGEQGLQ GPPGPPQISEQKRPIDVEFQKG DQVSNDRGPPGPPGIRGPPVS
15612	45980	A	15702	581	687	KKGAGQVV/DDVQLAQLAQA NEIVLSWNCWMLCKQY
15613	45981	A	15703	7	123	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15614	45982	A	15704	1	374	RFRKAQCTIVERLTNSMMMHHG RNNGKKLMTVRIVKHAFEIHL LTGENPLQVLVNAIIN/DVSPLR RVNHAIWLLCTGAREAAFRNIK TIAECLADELINAAGSSNSYAI KNKDELERVAKSNR
15615	45983	A	15705	2	892	QAFLPITPDQLSNYKVFACKTA LWQNDDVHSQHKGEYRNAAG EPKYRNSVTTHSEGKWQSEKG KDLGVGYWSMACYKLGHIAG NEQQKHICGGIAKKWKQPKCP PTGKWPAVVKPATESEGGGAK KEEKAHLPRVVEKELHESSRHI RHSIESVLLQAFTQKDYTAVKE KYAKYLPHSAERYAAKRFRKA QCPIVECLTYSMMTHGRNNRK KLMIMRIVKHAFEIQLLTGDNP LQVLVNAIINSGPREDSTLTGRA RIVRRQAVAVSPLSRVNQAIWP QCTGALEAAFRNIKTIA
15616	45984	A	15706	1	536	
15617	45985	A	15707	8	437	
15618	45986	B	15708	255	1058	
15619	45987	A	15709	609	1489	LPLSLPRAARPAVAPHLPPREPG PALPLPPPQPPRPSLPGSAQGC NS*RTGTAAAGAGPFAPASMSL RVQTPCWQRGAREPPGSCAS WLFCVWQMVRAHSGCPLAPP PAAAAWVAAQLQP*DGHEGPG G*ET/S*VLRLRPTPTPLPTWCC TVRPRRPVLPFCLIMRRRTAGPP CAPIAAAPTTPSSLRRGKVPTGR PPVL*G*AAVMLTMAVTITRTV TTSCNAAAVMPPKTGTAHRAP LTPGTV*RDCLLVKPTAQMPPS APPWTAPPRVAVAPVIVLPAIS NLGAFA
15620	45988	A	15710	173	530	GRERGDKGGAVQTLQDLVNV HLGLTYPPRPGHSPPSWASPQ APLQPPLRGEPGHGWS/PSGL GQKSEGLGPAHLPAARPAV APHLPPREPGPALPLPPPQPPRPP SLPGSAQGCNS
15621	45989	A	15711	1	227	
15622	45990	A	15712	238	498	
15623	45991	B	15713	1	1017	
15624	45992	B	15714	590	649	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15625	45993	A	15715	3	843	AVFLSTSNEAVYKIFDDSPCPFT AKTCNPETFPSSNESRQCPNAR CQFAFYGGESGYHRALLGLQIF NAFMFFWLANFVLALGQVTLA GAFASYWALRKPDLPAPPLF SAFGRALRYHTGSLAFGALILAI VQIRVILEYLDQRLKAAENKFS YCLMTCLKCCFWCLEKFIKFL NRNAYIMIAIYGTNFCTSA\NA CFLLMRNIRVDVLDKITDFLFL *GKLLIVGIVGILAFFFFTHRIRI VQDTSPLNYYWVPILTIVIGS YLIAHGFFQRY
15626	45994	A	15716	1	449	FRGMGDERPHYYGKHGTPQKY DPTFKGPIYNRGCTDIICCVLL LAIVGYVAVGIIAWTHGDPKRV IYPTDSRGEFCGQKGTKNENKP YLFYFNIVKASPLVLAGIQCP TPQICVEKCPDRYLYTLNARSS RDFEYYKQFCVPGV/PRTIKKA NGVLEAGNSPCAYLKITPSLGT DY/PWFLLFQCPTPQICVEKCP DRYLYTLNARSSRDFEYYKQFC VPGVQEQ
15627	45995	A	15717	627	1665	EQAGQALSTAPVGDGHELLCE VGSSSRDVLGTSMGLCGGY/G GAS/GMGGITAVTVNQVLSPL NLEVDPNMQGMHTQEKEQVK TLNKSASFVDKVLFLFLEQQNKM LETNWSLLQQQKPAQSNMDN MFESYINNLLGQLEILGQEKLK LEAELGNMQGLCMFFVKEDFK KKYEDEINKPTMENEFVLIKK DVDDAYMNKVELEFRLEGLTD EINFLRQLYEEEIPELQSQILDTS VVLSMDNSRSLDMSIIAEIKY EELQTLAGKHWDRLTKTKIS EMNRNISRLQAEIEGLPQRPEQ RASLESVIADAEQRGELAIKDA KTKLSELEAAQQRAQDMAHG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15628	45996	A	15718	3	3908	STQQKTARSNMDNMFESYINN LRRHVETLGQEKLKLEAELGN MQGLVEDFKNKYEDEINKRTE MENEFVLIKKD\VDEAYINKVE LESRLEGLTDEINFLRQLYEEEI RELQSWISDTSVVLMSDNSRSL DMNSVIAEVKAQYEEIANRSQA EAESMYQIKDEELQSLAGKHG DNLRCTKT*DLLR*TRNISRLQA EIEGLKGQRAFLEAAIADAEQC GELAIKDANAKL/SELEAALQR AKQDMAWQLRVLN
15629	45997	A	15719	1	804	MKPRTLVSSTVLKDGVSRCV SFRCSVSRISFQWVRGLADF RNEATDPHGLDDILTLRQDKG SFMICWLKKGAPPDPAPPRITP TVRFSTMDLSAASHRIP\SDGN SIPHGLGTYSPEKSLWATNHVP EMVRPTLERTLRVLQLDYVDL YIEVPMFAFKPGDEIYPRDENGK WLYHKSNNLCATWEAMEACK\ DAGLVKSLGVSNFNRRQLELIL NKPGLKHKPVSNQVECHPYFT QPKLLKFCQQHDIVITAYSPLW TSTNP
15630	45998	A	15720	476	906	WKQSHSHQTWYLLTSEACKD AGLVKSLGVSSFNRS\QLELIQN NPGLKPKPVSNEVECHPYTQP KLLKFRQQHDIVMIAYSPLGTT RNPTWTNMSSPSLKDALLKR CNKITAQVILRFNIQQGVVVIK SFNPEKIKENLQA
15631	45999	A	15721	138	217	RHAPQVLGGLSEGT*GGHRCPA RGHW
15632	46000	B	15722	8	578	
15633	46001	A	15723	1	3087	
15634	46002	A	15724	1	2232	
15635	46003	A	15725	1	2085	
15636	46004	A	15726	1	1512	
15637	46005	A	15727	1	1260	
15638	46006	B	15728	1	2145	
15639	46007	A	15729	1	1353	
15640	46008	A	15730	1	1741	
15641	46009	A	15731	1	1995	
15642	46010	B	15732	1	3464	
15643	46011	A	15733	2	109	FTFWHDFAAAGTGCSFPCLVLP SWW*QNLSAFACL
15644	46012	B	15734	90	1247	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15645	46013	A	15735	1	1698	MELKAKAQELREECRSLRSRC NQLEESVSVMEDEMNMKREG KFREKRIKRNEQSLQEIWVYVK RPNLRLTGVHESDGENGTLEN TLQDIIQENFPNLRQANIQIEI QRTTPQRYSSRRATPRHIIVRFTK VEMKEKMLRAAREKGWVTHK GKPIRLTVDLSAETLQARREWG PIFNILKEKNFQPRISYPAKLSFI SEGEIKSFTDKQMLTDFVTTTRP ALQELLKEALNMERKNRDTHR LKIKGWRKIYQANGKQKKAGV AILVSDKTDFKPTKILKDKEGH YIIVKGLIQEELTILNTYAPSTG APRFIKQVRSDLQRDLDSHTLII GDFNTPLSTLDRSTRQKVNKDT QELNSALHQADLIDIYRTLHPK STEYTFFSAPHHTYSKIDHIVGS KALLSKCKRTEITNYLSDHSAI KLELRICKLTQNHSTTWKLNLL LLNDYWVHNEMKAEIKMFFET NENKDTTYQNLWDTFKVVCTG KFIALNAHKRKQERSKIDTLTS QLKELEKQEQTTHSKASRRQEIT KIRAELEKETQKTL/QKINESRS WFFERINKIDRPL
15646	46014	A	15736	1043	1536	TSTELSTPNQQNIHFFQHHTTSI PKLTTYLEVKLSS*KKH*TWKG TTGTSCC/INHAKIVTHRLKIKG WRKIYQANGKQKKAGVANLV SDKTDFKPTKIKRDKEGHYIMV KGSIQQEELTTLNIYAPNTGAPR FIKQVLSDLQRDLDSHTLIMGD FNTPLLTLDRSTRQKVNKDTQE LNSALHQADLIDIYRTLHPKSTE YTFFSAPHHIYSKTDHILGSKAL LSKCKRTEITNYLSDHSAIKLE LRIKNLTKNRSTTWKLNLLLN DYWVHNEMKAEMKMFFETNE NKDTTYQNLWDTFKAMCRGK FIAVNAHKRKQERSKIDTLTSQ LKELEKQEQTTHSKASRRQEITKI
15647	46015	A	15737	1208	1387	KPWQKNYVTHAQASVADLIK WKKGYQ*LKIK*MK*SKKRSLE KKE*KETNKASKKYGTI
15648	46016	A	15738	308	487	KPWHKNYIMHAQASVANLINW KKGYQ*LKIK*VK*SEKRSLEK KE*KEMNKASKKYGTM
15649	46017	A	15739	220	1101	
15650	46018	A	15740	1	1534	
15651	46019	B	15741	365	3904	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15652	46020	A	15742	79	506	EPSQRHSQDLQGWSEQEHQVCL HRVGWGHCA TCILPAATASHE GPEAW/TARLLVPQTAVGICSA FSG LPTSTHEPTGMHFLPSEAHE KPRTQPDQKGRDDLPCTPSTC LHTSLFLDTGQEFGTCRMAGLK EHVAGDNRERRQ
15653	46021	A	15743	2	71	ELKF**FPILSPSRKTSPLRQGS
15654	46022	A	15744	1	627	MKAEIKMFFETNENKDDTTYQN LWNTFKAVRRGKFIALNAHKR KQERSKIDTLTSQLKELEKQEQ THSQASRRLNQEEVESLNRPI T GSEIEAIHNSLPTKKRPGPDGFTA EFYQRYKEELPK/YLLKQLQQS LRIPNQCAKITSIPKHQ*QTNRE PNHE*TPIHNCFKDNKIPRNPTY KGREGPLQGELRTIAQRNKRGH KQMEEHSMLM
15655	46023	A	15746	1	3828	MQLPVQTIAADGYVIKLQKRRT EDGHQSPERHQFPHLSSYSEQE TTRVPFAKAVASGFPGDTTLVF CAS PQSPQVHLPTQAVADIFSE FHEHYARISTAPSVTLKANMM GSEFPTARLSNSKYPETLEVGES AQPVPMYTWKTVAQDRKDGV SPPLLEKQSITKSISNKPVELSSK VVEVDASKADHMKKMASMGL VHSMAGSGLVLSRSEILKEISSL RNGCAIYRSEFISTDPSSWVPR PRTNEENNGES

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15656	46024	A	15747	1	1639	NCLSDHSAIKLELRIKKLTQNCSTTWKLNLLNDYWVHNEMKAEIKIFFETNENKDTTYQNLWDTFKAVCRGKFTALNAHKRKQERSKIDTLTSQLKELEKQEQTISKASRRQEITKIRAELEKETQKTLQNINESRSLFFEKINKIDRPLARLIKKKREKDQIEAIKNDKGDITDPTEIQTIREY\YKHL\YANKLEY\LEEM\DKF\LDTYTLPRLTQEEVESLNRPTTGSEIEAIINSLPTKK\SPGPDGFTAIFYQRYKEELVPFLLKLFQSIEKEGILPNSFYEASIIIPKPGRDTTKKENFRPISLMNIDAKILNKILANRIQQHIKKLIHHIDQVGFIQGMQGWFNIRKSI NVIQHINRAKDKNHMIISIDAGKAFDKIQSFMLKALNKLDIDGTAIRQEKEIKGIQLGKEEVKLSLFADDMIVYLENPIVSAQNLLKLI SNFSKVSGYKINVQKSQAFLYTNNRQTESQIMSELPFTIASKRIKYLGIQLTRDVKDLFKENYKPLLKEIKEDINKWKNIPCSWVGRINI
15657	46025	B	15748	1	1563	
15658	46026	A	15749	1	4332	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15659	46027	A	15750	1	2319	MRIDGAQELTLALPFASGVACR DVKPGPRRRPLRYRCFQKPSNR LGSASLGAGFWAGRRDAKSGH DDDPGALFSVTMDRDLEQAL DRAENIIEIAQQRPPIRRYSPRA GKTLQEKLYDIYVEECGKEPED PQELRSNVNLEKLVRRESLPC LLVNLYPGNQGYSVMLQREDG SFAETIRLPYEERALLDYLDAAE LPPALGDVLDKASVNIFHSGCV IVEVRDYRQSSNMQPPGYQSRH ILLRPTMQTLAPEVKTMTRDGE KWSQEDKFPLESQILATAEPL CLDPSVAVACTANRLLYNKQK MNTDPMEQCLQRYSWPSVKPQ QEQSDCPPPELRVSTSGQKEE RKVGQPCELNITKAGSCVDTW KGRPCDLAVPSEVDVEKLAKG YQSVTAADPQLPVWPAQEVED PFRHAWAEGCAWDTKPNIMQ SFNDPLLCGKIRPRKKARQKSQ KSPWQPFDDHSAWLRPGSETD AGRAVSQAQESVQSKVKGP GK MSHSSGPASVSQ LSSWKTPEQ PDPVWVQSSVSGKGEKHPPPRRT QLPSSSGKISSGNSFPPQQAGSP LKRPFPAAPAVAAAAPAPAPA PAAAPALAAA VAAAAGGAAP SHSQKPSVPLIKASRRRPAAGRP TRFVKIAPAIQVRTGSTGL/IGH QRGGPSPGSPGISGSLQSSGGP LPDARPGSSAGCPAPLCLG\QQP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15660	46028	A	15751	409	1874	YDSYIVVIDDADITRGDDAVPR DHHSSTSMVVFRHIRLDVIVVD GDDQHRRMVGRRCRSWFRR GSLDVDQVIGDTAAGRLNVMG DITRDARRDKVKNERYGVAPS VAFGLGTANRLYLNYLHVTHQ NTPDGGIPTIGLPGYSAPSAGTA ALNHSGKVDTHNFYGTDSYD DSTTDATMRFEHDINDNTTIR NTTRWSR/S/WTWSRTANTKDV SNKILTNQTNLTSTFYTGSIHGD VSTGVEFTRETQTNYGVPVTL PAVNIYHPDSSIHPGGLTRNGA NANGQTDTFIYAFDTLQITRD FELNGGIRLDNYHTEYDSATAC GGSGRGAITCPTGVAKGSPVTT VDTAKSGNLMNWKAGALYHL TENGNVYINYAVSQPPGGNN FALAQSGSGNSANRTDFNPQK ANTSEIGTKWQVRGSSRVNVM HEVNTPHQCVRFPARSAPGCC QSPCHRSGKHMQYGLSKCQPG QYNSVKSGERVNGVTFQ
15661	46029	A	15752	421	441	P*ARMPSPGLPCLPVMDETT LEEPETARLRFRGFCYQEVAGP REALARLRELCCQWLQPEAHS KEQMLEMLVLEQFLGTLPTIEH AWVRGQRPGSPPEAAALIEGLQ HDPGQLLG
15662	46030	A	15753	1	346	PAFGGSAPSERLELHVDGPPRP QAPGD/CGVGRSWRAEM/HDR ALRGTNPRRHLRSCCARARRRP *RRSAPPGPRAN/PS*SSWGPSTP GNYRCRYRSWVPHTFKSELND PVELLVA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15663	46031	A	15754	1	2091	MKPGLRRRRGRGLGCGLGPQL RATWSGAVLAGRDAVLRCEGP IPDVTFELLREGETKAVKTVRT PGAGAKLELIFVGPQHAGNYRC RYRSLVAHTFESESDPVELLV AVAATLNIHLRLVHMLHIPAAG EGSFREGTHFLKPSPVKMPLVF RVGRRRVLNQGPQGVPIPIPRSC EHLNWQKGLCGVTKCAAPLLR GPPCPAVLRKEIPFVSLKPGLMS SKASEAEPLGPRLGSHQSTAAA LGPRYNGSADAIRPHTAWAVIQ TTISRFTWSLTQVNVPSRTVSLA VRRDRYMTSRTTTNPEEGCRG TFWARRNGCSPSACAVAEAL EACLADVRYPVVALSCGRLQK RRDFRETNAAMSNEKSLASA RFFVEVQVTLGALCTVQATGQ SMLVFSTTQMSSYSEKFLTSKH ASLSPRLQLADRWRDQGMKW QSPQWGELRPAASHTAEQEPGL AASKAFRDLQNLNSAFLSLTS LSAGHCISAIVMMMSKKEITP QGQLAAASFGELOPVALKCPW LKSQHVESWLARPEAHSKEQML EMLVLEQFLGTLPEIQAWVRG QRPGSPPEAAALVEGLQHDPG QLLGWITAHVLKQEVLPAAQK TEEPLGSPHPSGTVESPGEGPQD TRIEGSVQLSCSVKEEPNVGDGQ EVAPSSPPLAAQSPEGNHGHQE PASTSFHPRIQVSSPKWEV
15664	46032	A	15755	1	208	
15665	46033	A	15756	3	373	EVAQMPRVSTPATLPSLPQPAL MAPWTVPYDQLMEEKARAR YAGTIQKWTAALQPLSRTSLK DSGEGTSKWGRSVDTTQPLSPA IPVIFQ*AHEQSGHSGMDGGYA WALQHGLALTNTDLA
15666	46034	A	15757	3	266	
15667	46035	A	15758	3	587	YPASAGLMLQNFGVIGLRYHF AIHSPAAGGLLDGLHAVAIIQG ITKIETTPNHQRAPAHWTLTQ QAHLPSPPLHFNLPPLCLMHC PTAIPHCFADARTWVNLPTSSLI GHKKENLKEFISGLIVHEILEE VLQAEQDFQPFTRVTVHWGKG NDQTFRGLLDTGSELTLPIDGP KHHYGPPVKVG\AYGAQLL
15668	46036	A	15759	1	1566	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15669	46037	A	15760	1	981	MVAIAKVLIAYKEDSDSHNQPN TRMTVSKGPVSAVEGGRRGQD SDDCVEENDAVRTWPPSRILRT ESHPSHTCSWRRHLLSSCPYT GMSFPISSGNISSTHAVISFPPL SEEMNPMLPKATVMTSLEAAA RQNLKSRQAPRCEVESVTHEEV YYTRKELFEFSNLYRKKSGEQI REWILRKTDGSWRITVDYRKL NQMVTPIAAAVPDV/VVSLLEQ INTSPGTWALCHNLIWRDLDCFL LPQNITLVHYTDDIMQIGSSEQE VANTLDLLPALMASW/ENSP*SI DRGRED*SLVHKWFCTICRHHHP KVDSCSTTAPF*DIPEGQQL
15670	46038	A	15761	349	718	AGPEGTTTAECP/I/CQQQRPLS LRYGTISWG/DQSATWWQVDY IRTLLSWKWQSASAKTTIHGLT KCLIHHDIPHSIASD*GTCFMAK EVWQWYCFSHSQDSRVQESRG GIGSCTTHHHPCSPFN
15671	46039	A	15762	143	469	ARIQ/GSRNQGVEVEVAPLTVT PSDPLANVLLPVPATLPASGLEI LVPEEGRLLPPGDTTMMPLNWN LRLPHGHFGLLLPLNQAKKG VAVLGGVIALDCQDEISLLLYK
15672	46040	A	15763	1	2712	
15673	46041	A	15764	3	578	LKSRQAPRCEVESVTHEEYVYT RKELFEFSNLYRKKSGEQIREWI LRKTDGSWRITVDYRKLNQMV TPIAAAVPDV/VVSLLEQINTSP GTWALCHNLIWRDLDCFLLPQN ITLVHYTDDIMQIGSSEQEVAN TLDLLPALMASW/ENSP*SIDRG RED*SLVHKWFCTICRHHHPKVD SCSTTAPF*DIPEGQQL
15674	46042	A	15765	1	461	MTVDYRKFNQVVTPMAA/AVP DAVSLLEQINTFPGTWYAAIDL ANAFPSIPVHEAHQKQFAF/LPQ GYINFPALCHNLIRRELDFFLLL QDITLVHYIDDILLIGSSEQEVV NTLDLLIHKRSKEAHTAASRIR VSCLPEQKSHEQTLPEQVP
15675	46043	A	15766	1	1371	
15676	46044	B	15767	54	864	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15677	46045	A	15768	2	1148	PRGRNRRRKTFQERRMTLNESP EKIGKWIECYGHPPASKLVEIYI HTVFVEDKLSICIRSFNKKADGS WRMTVDYCKLNQVVTAIAAAI PEWFHCLSKLIHLLIPGMQPLT WQ/HALFSIPVHKGYINSLALC/ Q*CYLERT*LLFTSTRYHTGPLH **HYADWIQCARSRKQTGLTG KGQRFVLTERDTY\YGFTYPAH NASAKTTIHGCTECLTHPHVIPH SIASEQDTHFTAKEVWQWAHG NGIHWSYHVPHHPEIARLIEWW NGLLSQVQCHLGDNTLQGW GKVLQKAVYALNQYPIYGTVS PIARIHGSRNQGEVEVAPLTIT PSDPLAKCLFPVKTLCAACLE VLLPGGGMLPPGDTTTIPLNRK LRFPLEHFGLL
15678	46046	A	15769	917	2352	DTISHQLEWRSLKSQETTGAIEI SATIKDLKGAGVVIPTTSLFNSS VWPVQKTDKSWRMTVDYCKL NQVLTPNAAVDPDVPLLEQIN TSPGTWYAAIDLANAIFSIPVHK AQQKQFAFSWQQGQYTFTVLP QGYISSLALCHNLIRDLGFL LQNTLLVHYVDDIMLIGSSEQE VANALDLLVRHLCVRGWEISPT KIQGPSTLVKFLGVQWCGACR DILSKVKDKLLHLAPPTTKKEA QRLVGLFGFWRQHHPHGLGLLQ PLYLVIQKAAIFEWNPEPEKVL QKVQAAVQAALPLGPYDPTDPI MLEVLVADRDAVWSLWQALI GESQQRPVGFWSMALPSSADN YSPFERQLFACSWALVETECLT MGHQVTMQPELPIMNWMLSDP SSHKVVAQQH\QEVAQMPRV STPATLPSLPQALMAPWTVPY DQLMEEEEKARARYAGTIQKWT AAALQPLSRTSLKDSGECTSKW
15679	46047	A	15770	1	861	
15680	46048	A	15771	5	90	
15681	46049	A	15772	1	324	MVQEASEVIGQLQSSAAK*AM HWAGFSYLTKKSLNAN
15682	46050	C	15773	1	726	
15683	46051	A	15774	364	543	ARGAARSMKHTSGDETKRQKL D*VRLTGIRASREEVTKEAGPR KRIMCSGMDELNGGLQL
15684	46052	B	15775	1	1056	
15685	46053	A	15776	1	282	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15686	46054	A	15777	167	954	KRVTSKLLKSPRRGSPHCSRNPV LLRGIGRYSRSAMYSRKAMYK\ RKYSAAKSKVEKKKKEKVLAT VTKPVGGDKNGGTRVVKLRK MPRYYPTEDVPRKLLSHGKK\ PFSQHVRKLRASITPGTILILTGR HRGKRVVFLKQLASGLLVGTG PLVLNR\ VPLRRTHQKFV\ ATFT KIDISN\ VKIPKHLTDAYFKKKK LRKPRHQEGEIFDTEKEYEITE QRKIDQKAVDSQILPKIAIPQL QGYLRSVFALTNGIYPHKLVF
15687	46055	A	15778	1054	1403	MVEGGILRVNTSVECKTGPPFF SPHILWREPFCSVQVGKKKKEK VLATVTKPVGGDKNGGTRVVK LRKMPRYYPTEDVPRKLLSHG KKPFSQHVRKLRPSITPGTILIL TG\ RHRG
15688	46056	A	15779	1	388	
15689	46057	A	15780	1	456	MKLPEEGSLSDICCSAIFAVLQP LLVIPRETGSGVDLQQTPTDLQ LRQTESQIMSELPFTVASKRIKY LGIQLTKDVKDLFKEIYKPLLSE IKEDTNKWSIPCSWLGRINIVK MAILPKVTYIFNAIHIKLPMTL EKTK\ FIWNRKRACI
15690	46058	A	15781	1	504	
15691	46059	A	15782	1	1836	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15692	46060	A	15783	285	1949	RGEMNSRGRNNLSIINKTDFPFI ALNAHKRKHRSKIDTLTSQK ELEKQEQTNSKASRSHEITKIRA ELKEIETHNKPFFKISESR\SWFF IFYF\ERINKIDRPLARLIKKRE KNQIDTIKNDKGDITTDPTIEQT TIREYYKHL YANKLENLEEMD KFLDTYTL PRLNQEEVESLNRPI TGSEIEAIINSLPTKRSPGPDGFT AEFYQRLKQCRKAHLDPVSLT HRSGPGAREDRLSDSGDASRGC WNLSQHAAVTSPESERRIRTL SCRSVGVCRRSTPDPVCLGISSG GCRTVNIGEQQMLLPDRSSGSF VSEGYRPEVSAPTGGCPPVRC LMINTVSLIGVKFTEVFDSINISE HLELACLQDHNSLLAREQNW EDEFDELTEVGFRRWVITNSSE LKEEVQTHCKEVKNLETRLDE WLTRITNAEKSLKDLMEKTM AGELRDACTRFSSRFNQLEERV TEIEDQMNMKQEEKFREKRIK RNEQSLQEIWDYVKRPNLHWL GVPESDRENGTKLENTLQDIIQE NFPNLARQTNIQIQEMQRM
15693	46061	B	15784	596	1414	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15694	46062	A	15785	610	2986	QTERNSININRNGHQHQNPICRS PSSKTKGSIKPQRSGRNQSRKA ENSKDQRTSSPTKDCSSSPATE QRWMENDFDELTEV/VLQKPG RDTTKQKEKFRPISLMNIDVKI LNKILANRIQQHIKKLIHHDQV GFISGMQGWFNICKSINVIHHIN RTNDKNHMIISIDAEKAFDKIQ QPFMLKTLKKLGIDGTYLKIIRA IYDKSTASIILNGQKLEAFPLKD RTRQGCPLSPLLFNIALEVLARA IRQEKDIKCIQLGKEKVRSLFA EDMIVYLENPIVSAPNLFKLISN FSKVSGYKINVQKSQVFLYINN RQRESQIMNEFPFTIARRRIKYL GIQLTRDVKDLFKENYKPLLKE IKEDTNKWKNMPCSWIGRINIM KMAILAKVIYRFNAIPKLPMTF FTELEK\TTLKCI*NQKRAHIAK PILSQKNKAGGITLPDFKLHYK AAVTKTAWYWYQNRDIDQRN RTEPTEIMLHIYNHLIFDKPDKN KKWGNDSL FNKWCWENWLAI CRKLKRDPLTPYTKINSRWIE DLNIRPETIKTLEENLGNTIQDIA MGKDFMSKTPKAMATKAKIDK WDLIKLKNFCTAKETTIRVNRQ PTEWEKIFAIYSSDKGHISRIYNE LKQIYKKK\NNPIKKWAKDINR HFSKEDIQAASKHVKKHSTSRIF MQIKTTLGYHLTPVRMATIKKS KNNRCWCGCGEKGTLIHCW/M
15695	46063	A	15786	1	906	MVNQKRYHIPGGTAEISGTIKK LKNAGVVIPTTSPLNSPIWPVQ KTDGSRMTMDYHKLNQVVT PIAVAVPYVVALLEQINTFSCT WYAAIDLANTFFSFSVHKA/HK K*FAFSRQGQQTFTVHP\YDN YSPFERQLLACYWASVETEHLT MGYQVTIQLELPIMNWVLS DPS SHKLGHAKQHSIIKWKWYIRD RARAGPEGTARIHRSRNQGV EV EVAPLTITPSDPLARFLLPVPTIL HSAGLEVLVPEGGTLP LGDTTT IPFNWKLRLPPGHFRLLLPLNQ QAKKGVTVFAGVIEAIKMK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15696	46064	A	15787	1	909	MVLEVSVSDRDAVWRLWRAP GESQQRSLGFWSKVLPSADN YFPFERQLLACYWALLETDRLT VGHQVTLPPELPMNWVLSDP SHKVGHVHQHSIIKWKWYIRD QTRAGPEGTTTPVITQ/WDAHE QSGLSGRDG/KGQRFVLTGVD YSGYWFAYPAHNASAKTSIYG FTECLIHCHGIPHSIASDQGT LFTAKEVWQWAHAHGIHWSYH IPHHPIAAGLIEWWNGLLKSQL QCQLGDNTLQGWGKDLQKAMY SLNQRLIYSTVSPISRIHGS RNQRVEVEVAPLTITLSDPLAK FFFL
15697	46065	A	15788	1	754	MQNNVDSFQEPPTPLFSSRPI A RLKSKQAPRGEAESVTHEELES I RLRAKTSKISSLTFRRGWGKV LQKAMYALNQHPYGTVPPIPRI D GSRNQGVVEVKVAPLTITLSDP LAKFLLPVLSALHSAGLEVLVP EGGILPPGAGDMRMIQLNWKL SLPPGYFGLLLPLSQQTKKGV TDLGGVIDLDYQDEISLLFHIK VNGKLQQPNPDRTTSGPDPSGM KVWVTPPGK/EPQPAEGLAEGK GNTEWVVEE
15698	46066	A	15789	686	1506	VETVHMLQIGEFKKT DVS/WK TVDYHKLNQVVTPTAAAVPDV VSLLEQINTYPGTWYAVIDLEN AFFSVPVHNAHQGFASWQG QQYTFTVLPQGYINSPTLCHNLI RRDPGHFSYPQDITLVHYIDDI MLIGSSEKEVANTDLLPIYQV TLKAANYEWGPEQEKA VQQV QAAVQAALPLGQHNPADPTVL EVSVADRDAIWNLWQAPIARIH GSRNQGVVEVAPLTITPSDPL AKFLPPVPATFCSAGLEVLVPE GGMLPPGEIETIPLK
15699	46067	A	15790	422	537	VNQFGVIFCAAIIIN*YECLKQSF KTQTDYFPSPLNTSQ
15700	46068	B	15791	1	519	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15701	46069	A	15792	53	753	SLGTGTLRVLLGTAEAQMLQFS HLYADYGGKPALEDINLTLESG ELLVVLG/PSGCGKTTLLNLIAG FVPYQHGSIQLAGKRIEGPGAE RGVVFQNEGLLPWRNVQDTVA FGLQLAGIKKMQRLLKFAHQML KKVGLEGADKRYIWQLSGGQR QRVGIARALAAANPQLLLDPEF GALDAFTRDQMOTLLLNWQE TGKQVLLITHDIEEAVFMATEL VLLSSAP\GRVLERLPHI
15702	46070	A	15793	2348	2760	LWLVCINCFIPAFLLMLRWLPR LKPLSQLSVPTYRLPSVPFLKPT GMESPEAISRVSGKGIL*RDSDA YSVLSYHYPIRHPSSIIVDHRS SIDP*PIVDHSSIAKRSGTFPLG YWEVQVQLTFGQQRQASGILQ
15703	46071	A	15794	2	415	HPGLETDDLSPAPAALEPQGG GRPSIQGAPRGSFTRIEAGTPHV PAPCPAAQRNQGWGLVGAWL GFMAP*EQSVASSWK*PLMKS QYSREVISHLPLVPMQQGRPVM TQSMWGWLVWFPALFLVQIGH LVMSSGHS
15704	46072	A	15795	428	885	GISMKLSRISAI/NWNKISDDKD LEVWNR/LTSNFWLPEKVPLSN DIGAWQTLTVVEQQLTMRVFT GLTLVDTLQNVIGAPSLMPDAL TPHEEAGLSNISFMEAGHARSY SSIFSTLCQTKDVDAAYAWSEE NAPLQRKAQIIQQHYRGDDPLK K
15705	46073	A	15796	1	1125	
15706	46074	A	15797	57	303	SHKHYADALLYPAPDVCTAC* LLRGNRRDQSKS\TAKRHLTAA HFRFVRMVRHGNH/SRLRPDSF R*PVSPDR*PPLRAAHFR
15707	46075	A	15798	3	430	
15708	46076	B	15799	1	1338	
15709	46077	A	15800	380	1043	WTRWRASAADNLAHGRWGEQ KLVTGASGAPDRQAARCGC IWRKISWYRSKSKHPLTPKEV EKTGWGLKIRGMGKQQA\ERV KEAARILELDGLLKRRPRELSG GQRQVAMARAIVRDPVFLF DEPLSNLDAKLRVQMRLELQQ LHRRDQVEAMTLAQRVMVMN GGVAEQIGTPVEVDGDDTLEIL GADNLAHDAGRAEAGGDWRI RSARRSSTCAH

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15710	46078	A	15801	1	900	MAAIAFLITWFLSHDKKRIRILK RLSGGGNMADEFPGGAVVFTV LNLTHWLEDWGLPVHWRSSC MPSGLEYLIVLIFKGVIVAVHLL IVDALNLIRRIHAV/QGSPCVET CQHALDQLIMHSQPTHAVAVF DDENRSSGWRHQGLPDYKAGR PPMPEELHDEMPALRAAFE\QR GVPCWSTSGNEADDLAATLAV KVTQAGHQATIVSTDKGYCQL LSPTLRIRDYFQKRWLDAPFID KEFGVQPQQLPDYWGLAGISS KVPGVAGIGPKSATQLLVEFQS LDGIYENLADVAVAEKWRHKL
15711	46079	A	15802	1	1350	
15712	46080	A	15803	1618	2082	
15713	46081	A	15804	1	803	MINLIGSDVNYDWLKLPLVHL HWYDKEVRPGRKVGHLNLTD DTSRLTATLEALIPLLPPEYASG VIWAQSLIRCVKHRIRHCAPIAG CGTGCRPDKTRQASHQAQMSN AYDYSEIQGIGKQKAANRVAEP RTYHSFASITDRRADLLKPGNH AQDGRLLTAARRADKHDELFIG NFQKADNRGQVSDSVEGNSNC APVKPAPIPTERIPALMASMPA CASSMPIHACGGTPSPAQAARK ISGSGFEFLSWEASAQVKNSR SSSAKIVGAFRETEASPTICC ARRSASKERMPG*ARADPHRA HTAGVNGVNARLRIFNADTCL RRHAQPCTGGKDFRVRFRVF KLGSIRAEGEKLAQLQRR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15714	46082	A	15805	1	1655	MRGHNWIDMDQARQQSTPHT DRKICHKNDPRRTTPLRKIDAH PHTLIILPAESTLSTTKYKLRAL LVENTNKDKSAVSVVFRGSVL HQQAANFPNMLCFQLKNGVN ACNDFIMLFVDDNAAGSIERAA SPCINEKQHAFSESVPAAIAVRG LGSMIAVEFNDPQTGEPSAAIA QKIQQRALAQGLLLTCGAYG NACKRRIDYVCRIKHSRRIRQV VLLNFAKSGAFSTTRGTDDKLT PVIQPRASGEYNEEFSLLPVVN YLKDKLSNPVRLVKDYLDGVD VAEGELVVLENVRFNKGEKKD DETLSKKYAALCDVFVMDAFG TAHLRAGFLLTGIGKLRCSLRC AGPLLAAELDALGKALKEPARP MVAIVGGSKVSTKLTVLDSLK IADQLIVGGGIANTFIAAQGHD VGKSLYEADLVDEAKRLLTTC NIPVPSDVRVATEFSETAPANL KSVNDVKADEQILDIVRDLDA NVVINAVFSYVTNVWGWAFE WYMVVMLFGWFWLVFGPYAK KRLGNPEPFESTASWIFMMFAL
15715	46083	A	15806	1	1359	
15716	46084	A	15807	670	1008	
15717	46085	A	15808	455	1137	GTKPRDIDHILGTFITPGMPKGG KLDVYAAPELPLKLLGRPTEGE YNEEF/SLLPVVNYLKDKLSNP V/RLDGVDAEGEL/VVLENVR FNKGEKKDDE/HRAQASTHGIG K/FADVACAGPLLA/AVLDSLK /IADQLIVGGGIANTFI/AAQGH VGKSLYEADLV/DEAKRLLTTC NIPVPSD/VRVATEFSETAPATL KSVRHSDKISYISTGGGAFLEL WKVKYLPVAMLEERG
15718	46086	A	15809	465	888	RGLVALSSERRCRLRRRNHPES GTRSPDPAGAASLSRRFFYAPP GTPETGCGYSSRSRQRKR/LST WRCNS*ETPKSPPKACCRPARIP APRSSSVKKASACGPAAVMKK RCRKASITPISKITCAIHRMRRW TCTKRAAF
15719	46087	A	15810	417	707	IQIHERSWRYLHWSSVRRRA A*YGAPL*RDGIQRGTTRISQV YQ*SSVRQLRRDASASGSAPRV CREYAAACYLRHEHWSCDAYS PTPRMLKSFV
15720	46088	B	15811	1	4350	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15721	46089	B	15812	1	2862	
15722	46090	A	15813	1	1471	MLHSRGFLAEVFGILARHNISV DLITTSEVSVALTLDTTGSTSTG DTLLTQSLLMELSALCRVEVEE GLALVALIGNDLSKACGVGKE VFGVLEPFNIRMICYGASSHNL CFLVPGEDAEQDGTGTSGIGAQ KKKMYANNGAIDRKLLFEATF VTIEKCCDTNQKGDDTHALGQ PIRGHDKSLAGSFCYACRSEEG LSQYRAYDSRGQLIAVKDTQG HETRYEYNIAGDLTAVIAPDGS RNGTQYDAWGKAVRTTQGG/L TRSMEYDVAAGR VIRLTSENGS HTTFRYDVLDRLIQETGFDGRT QRYHHDLTGKLIRSEDEGLVTH WHYDEADRLTHRTVKGETAER WQYDERGWLTDISHISEGHRV AVHYRYDEKGRLTGERQTVHH PQTEALLWQHETRHA YNAQGL ANRCIPDSLPAVEWLTYGSGYL AGMKLGDTPLVEYTRDRLHRE TLRSFGRYELTTAYTPAGQLQS QHLNSLLTYRHANFAL
15723	46091	A	15814	1	1367	MSKLLERFRYFKQKGETFADG HGQVMHSNRDWEDSYRQRWQ FDKIVRSTHGVNCTGSCSWKIY VKNGLV TWEIQTDYPRTRPD LPNHEPRGCPRGASYSWYLYSA NRLKYPLIRKRLIELWREALKQ HSDPAADNDLIARFQSFTNQPI ANRLTGNDRARFNLT FIVNNQH ATAITTTGTFLPEWSTTFITLIL QSKVQAIDLTKEAIVTVGCNTIS TTVHEVVSASIGIATKFWQHIGP CFYVIYDTVVTIVESRTTEYSP DVVTGLITRITPDGRASAFYN NHHSQLTSATGPDGLEIRREYD EWGRLIQETAPDGDITRYRYDN PHSDLPCATEDATGSRKTM TW SRYGQLLSFTDCSGYVTRYDH DRFGQVTAVHREEGLSQYRAY DSRGQLIAVKDTQGHETRYEY NAA/GDIRQCESDLQSPSCSQYR AIDGESLSETARYSVHQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15724	46092	A	15815	357	1733	TADSPETLRCQTSGENARGAGT VERAGKSLWRSR*SHRP*STR TGDIHCQIQTNFSLFN*QHPGQH R\YGS GTAIINQSLITHDPEYPEN LPAAPLVRYGWT PRGELAVVY DRSGKQVRSFTYDDKYRGRMV AHRHTGRPEIRYRYDS DGRVTE QLNPAGLSYTYQYEKDRITITD SLDRREVLHTQGEAGLKR VVK KEHADGSVTQSQF DAVGRLRA QTDAAGRTTEYSPDVVTGLITR ITTPDGRASAFYYNHHNQLTSA TGPDGLELRREYDELGR LIQET APDGDITRYRYDNPHSDLP CAT EDATGSRKTM TWSRYGQLLSF TDCSGYVTRYDHDRFGQMTAV HREERLSQYRAFDRRGTVIAVK ETQGLETGFEYHFPV PDGVIA P KG/SRNGNSQSVGKRRSTEDIR G*TRWRGYTADRRAAKTHARV E*HLRARPRVCALFFPKQCERH
15725	46093	A	15816	1595	3228	DNNAKLFRAGQMKVLKPYVDS GKIKVVG DQWVDGWL PENAL KIMENALTANNKIDAVVASN DATAGGAIQALSAQGLSGKVAI SGQDADLAGIKRIAAGTQTMT VYKPITLLANTAAEIAVELGNG QEPKADTTLNGLKDVPSRLLT PIDVNKNNIKDTNLPAAPLVRY GWT PRGELAVVYDRSGKQVRT FTYDDKYRGRMVAHRHTGRPE IRYRYDS DGRVTEQLNPAGLSY TYQYEKDRITITDSLDRREVLH TQGEAGLKR VVKKEHADGSVT QSQF DAVGRLRAQTDAAGRTT EYSPDVVTGLITRITTPDGRASA FYNNHHNQLT SATGPDGLELR REYDELGR LIQETAPDGDITRY RYDNPHSDLP CATEDATGSRKT MTWSRYGQLLSFTDCSGYVTR YDHDRFGQMTAVHREGLASQ YRAYDSRGQLIAVKDTQGHET RYEYNIAGDLTAVIAPDGSRNG TQYDAWGKAVRTTQGG LTRS MEYDAAGR VIRLTSENGSH TTF RYDVLEQYCGQVIKAHAVSRF
15726	46094	A	15817	1	627	
15727	46095	A	15818	701	895	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15728	46096	A	15819	1412	1705	LASISTSCAPPKVNCGVMAIFLA SDSRLWSGLRAQATSRSTLSLM TRSGWLAIQ*NALRSWLASHE TKRPPSTLGGNTVPS*ALRLGIL ASSRJLL
15729	46097	A	15820	344	547	
15730	46098	A	15821	1	1518	
15731	46099	A	15822	1693	2455	VLA AFTRSKQRYGAPRLTDEL R AQGY PFNVKTVAASMR RQGLR AKASRKFSPVSYRAHGLPVSEN LLEQDFYASSPNQKWAGDITYL RTDEGWLYLAVVIDLWSRAMA LLRRKSPGNVIVHTDRGGQYCS ADYQAQLKRHNLRGMSAKG CCYDNACVESFFHSLKVECIHG EHFISREIMRATVFIISNVITIGG GGTVAARGGVP*AVKSNVNDV RRNCLARSSNNGWIFPPVVVNG WRQQALTIVAGICC
15732	46100	B	15823	1	1407	
15733	46101	A	15824	1	3252	
15734	46102	A	15825	1	2409	
15735	46103	B	15826	1	2802	
15736	46104	A	15827	1715	1824	
15737	46105	A	15828	410	720	PGSRAVIGWSMSPRMTAHWPA MPCRWR CGGVRTYAPEPTG*R RWLQNCSACSS**LRKTSRKNR TT*RTPARSSSAPPLMLKQPFTR QWPLNTPWKPPRLSPS
15738	46106	A	15829	905	1008	SCDSYRLSSRAAAVTPMRSASF RASGFLLVILFVCRVSVVGCRV LAWSGGSVFRRGVPLAWTVLR WVRRRCGCGVGRCRGLSAVV YPSGIITVDSARSWRIMGRSGSP LA\TVGLAGCWSQPRL*TD AFS KLQGFRVFTGDTICM
15739	46107	B	15830	1	3148	
15740	46108	A	15831	1896	2062	SVCYPGRN*IPSG*N*PRIWSDP VQRRERAGKKWLHENPGWRK **PDYHYRSEAD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15741	46109	A	15832	1	1456	MSTEIARLKRQLADGMKSWLS SKRPRHTSRAPEMKYVFIEKHQ AEFASKQCAACSGWPATAGNV VSAADKDKHASAVPPHCDSVV LAAFTRSKQRLPLNVKTVAASL RRQGLRARPPGSSARSATAHTA CLVRKSVGAGFLRQWPEPKWA GDITYLRTDEGWLYLAVVIDL WSRAVIGWSMSPRMTAQLACD ALQMALWRRKKPRNVIVHTDR GGQFGDRWK/ALANALNIPLDQ LSARISANPKGGFIYLADEVNP DMADYIKKKLPLGIHVREESRR YYPSGEVTAHLIGFTNVDSQGI EGVEKSFDKWL TGQPGERIVRK DRYGRVIEDISSTDSQAAHNLA LSIDERLQALVYRELNNVAFN KAESGSAVLVDVNTGEVLAMA NSPSYNPNNLSGTPKEAMRNRT ITDVFEPGSTVKPMVVM TALQR GVVRENSVLNTIPYRINGHEIKD VARITTEEDFNHASAARFVCAA AERALQNHH
15742	46110	A	15833	2	929	
15743	46111	A	15834	1	472	
15744	46112	A	15835	1	513	
15745	46113	A	15836	1	254	CDNLKTCHTSHGSVMAETAVI NHKKRKNSPRIVQSNDLTGAA YSLSRDQKRV/LRYEPVSQFRLS ETQKHQSVCHAFIRIPVSVS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15746	46114	A	15837	145	1929	VSGVIEIADGSRRRKAAALTES DYRVLVGELDDEQMAALSRLG NDYRPTSAYERGQRYASRLQN EFAGNISALADAECDNLKTCHT SHGSVMAETAVINHKKRKNSP RIVQSNDLTEAAYSLSRDQKRM LYLFVDQIRKSDGTLQEHDGIC EIHVAKYAEIFGLTSAEASKDIR QALKSFAGKEVVFYRPEEDAG DEKGYESFPWFIK/RPSRGLYSV HINPYLIPFFIG/LQNRFTQFRLS ETKEITNPYAMRLYESLCQYRK PDGSGIVSLKIDWIIERYQLPQS YQRMPDFRRRFLQGFCFRNH HQTGFSPAGANQRGPLAATLSG PGGEGQSAVARLTGEKKNHPG AQYANRLSPRVGRFINAAGTTG FPTWKAGSERNAINDDVTYAIK PTCWPGLDIIPSCALHRIETEL MGKFDEGKLPTDPLMLRLAIE TVAHDYDVIVIDSAPNLGIGTIN VVCAADVLIPTPAELFDYTSA LQFFDMLRDLLKNVDLKGNSN GSQSPWMEEQIRDAWGSMLK NVVRETDEVGKGQIRMRTVFE QAIDQRSSTGAWRNALSIWEPE CNEISIGVSLDQDGGSNSVLRK
15747	46115	B	15838	1	1734	
15748	46116	A	15839	1	971	
15749	46117	A	15840	1	1143	
15750	46118	A	15841	1	556	
15751	46119	B	15842	8	1000	
15752	46120	A	15843	1	1169	MLTLILLDLQFMAQLAGYQMS FNSTKSKQTKNNFAVGVRTGD FQLHTNVNDGAIEFGGSVYQKV CEELDALINLAWTSSTSTCTRF G LAAKFQLKPIAFISTKVNHWLT GVSYPPEAGVKLNLSALCDN LKTCHTSHGSVMAETAVINH K KRKNSPRIVQSNDLTEAAYSL S RDQKRMLYLFVDQIRKSDGTL QEHDGICEIHVAKYAEIFGLT SA EASKDIRQALKSFAGKEVVFY R PEEDAGDEKGYESFPWFIKRA H SPSRGLYSVHINPYLIPFFIG LQ NRFTQFRLSETKEITNPYAMR LY ESLCQYRKPDGSGIVSLKIDW II ERYQLPQ/TYQRMPDFRRRFL Q EEFESLNRQITGSEIVAMINSL ST KKSPGPDGFTAIFYQ
15753	46121	A	15844	1	1509	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15754	46122	A	15845	1	558	
15755	46123	A	15846	1	1773	
15756	46124	A	15847	1	2256	
15757	46125	A	15848	1	812	MEVLASWATFTLGQTEQHVD WISAGAAPQGPIVKQLPSPVPPT EQLEQEKPTIGSAPSTPNKLLL SHSNCQLPRPLRSITNISACFSLE LAIDHRGFPHSPGARSLYSNSVF GTYQLCDLCDNLKTCHTSHGS VMAETAVINHKKRKNSPLIVQS NDLTEAAYSLSRDQKRMLYLF VDQIRKSDGTLQEHDGICEIHV AKYAEIFGLTSAEASKDIRQAL KSFAGKEVVFYRPEEDAGDEK GYESFPW/FIKRSPE*RRGKFPFT QMGQD
15758	46126	A	15849	1	1773	
15759	46127	B	15850	1	1755	
15760	46128	A	15851	1	726	MPASGNENDLNMPSGTIEIFVR CYVEVERIMSAWTEQNEHRT MMWSVLLQPCDNLKTCHTSHG SVMAETAVINHKKRKNSPRIVQ SNDLTEAAYSLSRDQKRMLYL FVDQIRKSDGTLQEHDGICEIHV AKYAEIFGLTSAEASKDIRQAL KSFAGKEVVFYRPEEDAGDEK GYESFPWFIKRAHSPSRG/LYSV HINPYLIPFFIGLQNRFTQFRLSE TKEITNPYAMRLYESLCQYRKS
15761	46129	B	15852	356	671	
15762	46130	A	15853	1	2121	
15763	46131	B	15854	721	2739	
15764	46132	A	15855	1	5828	MQEQQQASSLIRSGNGRLPGSG AQRTPCHIRRDGSQRRVCDDCK QQWWKAKYNIPSGLHACTATL EETHILDGSAHVQVFYKGQLH VMRVPCTDYFDTQKNPNLSHL HGSVMAETAVINHKKRKNSPRI VQSNLTEAAYSLSRDQKRML YLFVDQIRKSDGTLQEHDGICEI HVAKYAEIFGLTSAEASKDIRQ ALKSFAGKEVVFYRPEEDAGD EKGYESFPWFIKRAHSPSRGLY SVHINPYLIPFFIGLQN
15765	46133	B	15856	537	1318	
15766	46134	B	15857	1	411	
15767	46135	A	15858	1	1356	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15768	46136	A	15859	1	1215	MPYDRPFTVMAAFPLCPACDK EYRDPLDRRFHAQPVACPECGP HLEWLKMGKIVAIGIGGFHLA CDARNSNAVATLRARKHRPAK PLAVMLPVADGLPDAARQLLT TPAAPIVLVDKKYVPELCDDIA PDLNEVGVMPLPANPLQHLLQ ELQCPLVMTSGNLSGKPPAISN EQALADLQGIADGFLIHNDRIV QRMDDSVVRE\RRNAAPF/AGA VLSQHLGDLSDDGIQMQWRER YSLMQNIYDFTPQYVVHDAH GYVSSQWAREMNLPTQTVLHH HAHAAACLAHQWPLDGGDVI ALTLDGIAQPDERSRSEDVDRA HQRGHERDRRRRRSGTSHLTR VDLKEDGKGLKIVRQSLPYGTA SGTHGLYFCAYCARLHNEQQL LSMFGDTDGKRDAMLRSPNR
15769	46137	B	15860	74	2050	
15770	46138	A	15861	2	703	LQARFPLSWRNPITFACYAGL FCLSASIIYP/DHLCPVSVPRFA GPRHRRHLLVLHRGCGLRH/TK RPGPGPGPARALAIWPPDPGC* RCRRPSLPASSLRSSATPTCTST QPALEWCVAVYAICFILAAIAIL LNLGECTNVLPPIPPSFLSALAL LSVLLYATALVLWPLYQFDEK YGGQPRRSRDVSCSRRHAYYV GAWDRRLAEAILTAINLLTYVA DLMHSAHLDFSKV
15771	46139	A	15862	1	849	MAQPLAKQWTPVSPRALLVSIS SMPPRPAADVTVCRRHNRCTLRE LLYGFAAAAQQLNLHGDVCN DGDG/VEVRLREDPETFLVQLY/ QHCPLA\RTGGTMNTQIVPDA ATCPASLSEMNTPGERRYYPF INCTHYGPSFPIIRAMPYDRPFT VMAAFPLCPAC/DKEYRDPLDR RFHAQP/VACPECGPHE/WGIG GFHLAC/DARNSNAVATLRARK H/RPAKPLAVMLPVADGLPD/A ARQLLTTPAGAGLWLGGNGYP RAPDNANSTAMSCASHAHSFG GGHPRGR
15772	46140	B	15863	1	2688	
15773	46141	A	15864	1	1578	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15774	46142	A	15865	1	877	MQAAHRLRPAYRIKTGKPPAL ADYHPAYQEMLSRKQDRVIDQ IDFGIKDTVEILHMGQIQSMGRE FALSRLFSIHGHNVHGNESPEM GPERRSGFYDEWSPERIIQYYRP AREQLMNELVQILKNTRQHLM TGVSHMIPFVVSQGILLAVSVM LYGKGAVPDVADPNLKKLFD IGVAGLTLMVPFLAAYIGYSIA ERSALAPCAIGAWVGNSTFGAGF FGALIDAFPRLSEEINPALPEAK VMACLEAVARQDNVDSPQELP PTPLFASRPITRLKSWWAPGGE VESGTHKK
15775	46143	A	15866	3	423	
15776	46144	A	15867	633	771	NNRSHPALCTNRPRTRLVFYP LLAPNA*LAALQKGWAYGAGH NA
15777	46145	A	15868	1	4014	
15778	46146	A	15869	1	180	SGHPFIPLKDLTQIAIGDVFNNN LILWANREIHSVP*RY*HDANI QCFVVISSFVRSQQ
15779	46147	A	15870	815	1905	IFQEHIMDHLPMKFGPLAGLR VVFSEM/WRAEVIWIENVAWA DTIRVQPNYPQLSRRNLHALSL NIFKDEGREAFKLMMETTDIFIE ASKGPAFARRGITDEVLEWEDKP KLVIGHLSGFAHQVSQISTHQG SSNWVSPDQLQCNTQTNSPKQ LFSTHCMQCRPNSTNSRQFQS NPVNHALNHQSKPHHPLVYAQ HKAKRAHRAKSITASRKQATTF QQVGAPAGGHTHTSSSHPQTT KALEQVKHLTTRQAILSKAKPQ ATSPIPRDTGPLRGRQFHALNPS TTVIGQPANQRIGQHGHPPQFKP KTPFWPQPKEKVPNRQCTSKTY SNGEQNIPQTYAIRTKNRSTYPR NLKQQPLNPGKAKT
15780	46148	A	15871	1	361	QTTGISFQGRGGAGPGVPTRTQ/ CLRCHGGRHG/HPSHLCKPNKG DPRKIRLKMSWR*PWFAIGPRD WSSSRPKPTSPRGSCRSFIEASK MSAPVVWSTKTHSSRSMLSFSIL MEDFVTALSIL
15781	46149	A	15872	1	447	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15782	46150	A	15873	1	1424	MLLEQLSQHKLDMIISDCPIDST QQEGLFSVRIGECGVSWCTNP PPEKPPACLEERRLLIPGRSM LGRKLLNWFNSQGLNVEILGEF DDAALMKAFGAMHNAIFVAPT LYAYDFYADKTVVEIGRVENV MEEYHAIFAERMIQHPAVQRIC NTDYSALFSPAKLRRALYHPAS TELHPACGKDFRQLYRRIQNQI QRHALWHKIFDVEIPHPILIIAR VSANMPHTGCRIAIEWPGKVVE AILRLTNDAPAYLPPIGFNHKSK MRSEGMNPYQRQFMELALSNQ VLKCGEFTLNRGRKSPYFFNAG LFNTGRDLALLARFYAEALVDS GIEFDLLAPAYKGIPIATTTAV ALAEHHDLDLPYCFNRKEAKD HGEAGNLVGSALQGRVMLVD DVITAGTAIRESMEIIQANGATL AGVLISLDRQERGR*CDHRRNG DSRVDGDYSGQWRDACWRVD FARSSGTRARRDFGDSGS*A*L QLQSDLYHHPERPDCLPGREAG NGGTSGGG
15783	46151	B	15874	1	1086	
15784	46152	A	15875	484	729	CTQFRKTCFTCKASNGFCFATS CNLIYTSEIICRGPTG*HNLIASL LQRIDNLRKFIVPTLKYLTRCR LDDNIMIFYAQGI
15785	46153	A	15876	1717	1971	PANAWAEMWEYSAWQRRMYS MG*TSKVVVHPGATDRW*NTN GCYRIFWIAAPFVPAAVIHGNIL PTHGACVHKGFGRAPAGAAVE
15786	46154	B	15877	1	765	
15787	46155	A	15878	103	823	VPACAGLKKEARSLLASPPRLL NTKLQASCALFSPPIQSRQTG ISFQGRGGAGPGVPTRTQ/CLRC HGGRHG/HPSHLCKPNKGDPRK IRLKMSWR*PWFAIGPRDWSSS RPRPTSPRGSCRSFIEASKMSAP VWSTKTHSSRSMLSFSLMEM PARMPITSSMPSTPLRQGSVKFE DFVTALSILLRGTVHEKLRWTF NLYDINKDGYINQEEMMDIVK AIYDMMGKYTYPVLKEDTPRQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15788	46156	A	15879	1	2926	MVKDASQSQASLGLDAFLPAS GVQYTHERSPDSPKLSQECPSG VVNEDTFKQIYAQFFPHGGLMS ENGTGKKASVFGSTGSGALLLE EGERRREQPLIEMRKPPHVLIN YQAKVGGNSIPSPSLCKPAFPPL PSWAVDLASARQKEDASRSLQ NKEEDFYTSQPGFPALALGCCL RVNLLLGHARGISAGSSYPITST PCHLCKLGQEVFAKPLNLQDQ CQQNLVMQVLKLVNCLNDFD IGSSADESADDLCTV
15789	46157	A	15880	1	1521	
15790	46158	A	15881	1	1182	MDKFLDTYTLPRLNQEEVESLN RPITGSEIVAINSLPTKKSPGPD GFTAIFYQRYKEELVPFLKLF QSIEKEGILPNSFYEASILIPKPG RDTTKKENFRPISLMNIDAKILY KILAKRIQQHIKKLIHHDQVGFI PGMQGWFNIRKSINVIQHINRA KDKNHMIISIDAEKAFDKIQPF MLKTLNKLQAQNLKLISNFKV SGYKINVQKSQAFLYTSNRQTE SQIMSELPFTIASKRIKYLGIQLT RDVKDLFKENYKPLLKEIKEDT NKWKNIPCSWVGRINIVKMAIL PKVIYRFNAIPIKLPMTFFTELE KTTLKFIWNQKRAHIAKSILSQ KNKAGGITLPDFKLYYKATVT KTAWYCYQNRHIDQWNRAPSEI TPHIYNLYIF
15791	46159	A	15882	1	690	
15792	46160	B	15883	1	458	
15793	46161	A	15884	1	719	
15794	46162	B	15885	1	3552	
15795	46163	A	15886	1	321	
15796	46164	A	15887	1	362	
15797	46165	B	15888	1	489	
15798	46166	B	15889	1	1660	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15799	46167	A	15890	1	1593	MGKKQNRKTGNSKKQSTSPPP KERSSSPAMEQSWMENDFVEL REEGFRRSNYSELQEDIQTKGK EVENFEKNLEECMTRITNTEKC LKELMELKTKARELHEECRLR SRCDQLEERVVSAMEDEMNMK REGKFREKRIKRNEQSLQEIWD YVKRPNLHLMGVPESDGENGS KLENTLQDIIQENFPNLARINKI DRPLARLIKKKREKNQIDTIKN DKGDITTNPTEIQTIREYYKHL YANKLENLEEMDTFLDITYTLPR LNQEEVESLNRPIGTAEIVAIINS LPTKKSPGPDGSIAEFYQRYKE E/PADKQLQQSLSIQNQCTKITSI LIHQQTNRPNHE*TPIHNCFK ENKIPRNPTYKGCEGLLPGLQ TTAQGNKRGYKQTEHSMLM GRKNQYRENGHTAQGNF*IQC HPHQATNAFLHRIGKNYFKVH MEPKKSPHRQVNPKEQSWR HHTT*LQTLQGYSNQNSMVLV PKQGYRSMEQNRALRNAAAYL QLSDL*QT*EKHAMGK/EFPI**
15800	46168	A	15891	1	1177	
15801	46169	A	15892	1	3663	
15802	46170	A	15893	1	1995	
15803	46171	A	15894	1	4191	MVKGSIQQEELTILNTYAAHTG APRLIKQVLSDLQRDLDSHTIIM GDFNTPLSTLDRSTRQKVNKDT QELKSALHQADLTDIYRTLHHK STEYTFFSAPHHIYSKIDHILGSK ALLSKCKRTEIITNYLSDHSAIK LELWIKNLTONHSTTWELNNLL LNDYWVHNEMKAEIKMFFETN ENKDDTYHNLWDTFKA VCRGK FIPLNAHKRKQERSKIDTLTSQL KELEKQEQT HSKASRRQEITKIR AELKEIETQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15804	46172	A	15895	1	1659	MGDFNTPLSTLDRSTRQKVNK DTQELNSALHQADLIDIYRSLH AKSTEYTFFSAPHHTYSKIDHIL GSKALLSKCKRTEHTNYLSDHS AIKLELRIKNLTQNRSTTWKLN NLLLNDYWIHDEMKAIEKMFF ETNENKDTTYQNLWDAFKATA SKTNKEKEKNQIDTIKNDKGDI TTDPTEIQTIREYYKHL YANK LENLEEMDKFLDTYTLPRLNQE EVESLNRPI TGAEIVAIINSLPTK KSPGPDGFTA EIFYQRYKEELHI NRAKDKNHMISIDAEKAFDKI QQPFMLKTLNKLIGDGYFKIIR AIYDKPTANIILNGQKLEAFPLK TGTRQGCPLSPLLFNIVLEVLAR AIRQEKEIKGIQLGKEEVKLSLF ADDMTVYLENPIVSAQNLLKLI SNFSKVSGYKINVQKSQAFLYT NNRQTESQIMSELPFTIASKRIK YLG IQLTRDVKDLFKENYKPLL KEIKEDTNK WKNIPCSWVGRIN IMKMAILPKVIYRFNAIPIKLPM TFFTELEKTTLKFIWNQK\RARI AKAILSQKNEAGGITLP
15805	46173	A	15896	1	1740	
15806	46174	A	15897	1	880	
15807	46175	A	15898	1	2777	MGKKQNRKGTGNSKKQSTSPPP KERSSSPAMEQSWMENDFVEL REEGFRRSNYSELQEDIQTKGK EVENFEKNLEECMTRITNTEKC LKELMELKTKARELHEECRSLR SRCDQLEERVSA MEDEMNMK REGKFREKRIKRNEQSLQE IWD YVKRPNLHLMGVPE SDGENGS KLENTLQDIIQENFPNLASTLS HSGIKLEINSKRNPQNHANTWK LSNLLLNAHWVNNEIKMKVKN FFELNDNSDTIYQNFSD
15808	46176	A	15899	326	3096	QTERTSTPKTHLYVTIHKDQK*I KPQRRGKNRGEKLET LKS RAP VLLQRNAV PQQQRNKAGR RM TLTS*EKKSSDNQTTPSYRRKF KPM AKKLKTL/RKKLDECITRIT NAEKCLMELMELKAKARELRE ECKSLRSQC NQLEER\INKIDRP LARLIK RKREKNQIDAIKIDKGD ITTDPT EIQTIREYYKHL YANK LENLEEMDKFLDTYTLPRLNQE EVESLNRPI TGAEIVAIINSLPTK KSPGPDGFTA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15809	46177	A	15900	1	2047	MENDFEELREEGFRRSNYSELR EDIQTKGKEVENFEKNLEECITR ITNTQKCLKELMELKTKARELR EECRSLRSRCDQLEERSAMED EMNEMKREGKFREKRIQRNEQ SLQEIWDYVKRPNLRLIGVPET LHPRDEAHLKNLIDAIKNDKGD ITTDPTIEIQTIREYYKHLANK LENLEETDKFLDTYTLPRLNQE EVESLNRPTGSEIVAINSLPTK KSPGPDGFTAIFYQRYKEEL/PD KQLQQSLRIQNQCTKITSILIHQ QQTNREPHE*TPIHNCFKENKI PRNPTYKGCEGPLQGELQTTAQ GNKRGYKQMEHSMLMGRKN QYHENGHTAQGNLQIQCHPH* ATNAFLHRIGKNYFKVHMEPK KSPHRQVNPKEQSWRHHTT *LQTLQGYSNQNSMVLVPKQR YRSMEQNRALRNNAAYLQLSD L*QT*EKQEMGKGFPI**MVLG KLASHM*KAETGSLPYTLYKN QFKMD*RLKR*T*NHKNP RRKP RHYHSGHRHGQGLHV*NTKSN GNKSQN*QMGSN*TKELLHSHK KKKNY*QTEQATCKMGENFHN LLI*QRANIQNLQ*TQTNLQEK KQPHQKVKGHEQTLLKRRHL CSQK\NHEKMTITGHQRNAN QNHNEIPSHAS*NGNH*KVRKQ VLERMCRNRNTFTLLVGL*TSS
15810	46178	A	15901	1	3285	
15811	46179	A	15902	1	3681	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15812	46180	A	15903	1	1854	MKAEIKTFFETNENKDTTYQNL WDAFKAVCRGKFTALNAHKR KQERSKIDTLTSQLKELEKQEQ THSKASRRQEITKIRAELEIET QKALQKINESRSWCFEKIHKID RPLARLIKKKREKNQIDAINKD KGDITDPTEIQTIREYYKHL ANKLENLEEMDKFLDTYTLPR NQEEVESLNRPTGSEIVAIINSL PTKNSPGPDGFTAIFYQRYKEE/ RENKIPRNPTYKGCEGPLQGE QTTAQGNKRGYKQMEESHML MGRKNQYRENGHTAQGNLQIQ CHPHQATNDLHRIGKNYFKV HMEPKKSPHRQVNPKEQSW RHHTT*LQTLQGYSNQNSMVL VPKQRYRSTEQNRALRNNATY LQLSDL*QT*EKQAMEKGFPI** MVLGKLASHM*KAETGSLPYT LYKNQFKMD*RLKR*T*NHKN PRRKPRHYHSGHRHGQGLHV* NTKSNGNKSQN*QMGSN*TKE LLHSCRNYHQSEQATYKMGEN FRNLLI*QRANIQLQ*TQTNLQ EKNKPPHQKVDEGHEQTLLKR RHLCSQKTHEKMLIITGHQRNA NQNHNEIPSHTS*NGNH*KVRK QQVLERMWRNRNTFTLLVGL* TSSTIVEVSVV
15813	46181	B	15904	1	2718	
15814	46182	A	15905	1896	5031	TWKGTTSTSRCKIMPKYRSTRQ KVNKDTQELNSALHQADLIDIY RTLHTKSTEYTFFSAPHHTYSK TDHIVGSKALLSKCKRTEITNY LSDHSAIKLELRIKNPTQSRSTT WKLNNLLNDYWVHNEMKAE IKMFFETNENKDTTYQNLWDT FKAVCRGKFIALYAHKRKQERS KIDTLTSQLKELEKQAQTHSKA SRRQEITKIRAELEIETQKTL\Q KINE\RSWFF\ERINKIDRPLAR LIKKKREKNQ
15815	46183	A	15906	4	133	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15816	46184	A	15907	95	1875	PFFGRKNYRLPSKNMPRRCRSS PLPCSMKMTI*CVLTSTATITRL PAASAQW*LDGRTLVTKNSFR YLHTLHTMGPAPEPNLTILWSE ELPIAFKKYAAQVSIVTSSLQYE NDDL MRTDFNSDDYAIACCVS PMVIGKQM QFFGARANLAKTL LYAINGGVDEKLKIQVGPKTAP LMDDVLDYDKVMDSLDHFMD WLAVQYISALNIIHYMHDKYSY EASLMALHDRDVYRTMACGIA GLSVATDSL SAIKYARVKPIRD ENGLAKDIQGTTEPQFRNSHSR TSGTVTL YLPVSTFVGTGFFIRV DPPKKPLKIRKIEFVEIYEPFSEG QAKAQADRCLSCGNPYCEWKC PVHNYIPNWLKLANEGRIFEAA ELSHQTN TLPEVCGRVCPQDRL CEGSCTLNDEFGAVTIGNIERYI NDKAFEMGWRPDM SGVKQTG KKVAII GAGPAGLACADVLTRN GVKAVVFDRHPEIGGLT FGIPI AFKLEKEVMTRRREIFTGMGIE FKLNTEVGRDPRASSFYEEKQL IARKALPFIDNKT TMAADSSST VMELLKLLQDRSGLTLLTNSAE AIHVLAQSEIKVVSTGGELNKN TSLQGRITKEIIRRYHVDIMWL PDEL RVEKGFSPTLKLLEAKG QKVALKEAMGSTQSIMVGPDE RRTGFSYLRYQNL MIRVKF
15817	46185	B	15908	271	2118	
15818	46186	A	15909	597	743	
15819	46187	A	15910	573	1066	IRAQNGSPWLSFLVDSVCVLKA CVDAVMRAGICSVSIYWQYQS GVGANSSALSGFSQGAIMMLES IKAEPGLASRVIAFN GRYSSELP TASTATTIHLIHGGEDPVIDLAH AVAAQEALISAGGDVTL DIVED LGHAIDNRSMQFALDHLRYTIP KHYFDEALSG
15820	46188	A	15911	1	2652	
15821	46189	B	15912	1	1494	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15822	46190	A	15913	1	1733	MGVGSKGTIFGSTTTQHGSFIPY LTGYLTYTHGHSPANPKPAVG GQILTAVLPAHDGYVSRIMTM NTQLTTPLTTATHTARQTASLIS VIGRQLRCFRHSSQPSVLTHVR DDSTQYAQLDMANGQPTSHGY EHWAQLMYATDRRYGRHMSD AARQGCSDTGIVKFSHPEPEMS VRKFTSARSGCVRSGAWNVTV SAQTRVSQALTLLRRVHKSPM NALTVPVMAEAPSQAHGRRQ TRRLSLHQTLRLLLTTPDWGV IRRCVPVWGCLEHLDTAGFPL PNSHTMPLPIGWNDTRKRLHHS AHNGQHDVAQGRRVLGRKVG LTHPKVQQQLGVDGLSLFCVY LVWYIGLHLRRPFLAYTICPSL VYGADLRVIVRLFSDSHHFMAF GNPQPKHLDCQEYALFLLNSM PDNTAEHYRNKIAIYLHCLPED DRIKAIINEIRMAIHQVSPFREEP VDCVLWVKYSQLMPNDYNPN NVAPPEKKLLQKSIEIDGFTQPI VVTHTDKNAMEIVDGFHRHEI GKG/SHASLKLRLRGYLPVTCL EGTRNQRIAATISHNRARGRH ITAMSEVTPELRLLGW
15823	46191	B	15914	1	273	
15824	46192	B	15915	169	292	
15825	46193	A	15916	2	844	KGGVYKTSVSVHLAQDLALKG LRCLLWKGTTPPGTSPMVSRE GDPALHN*CKTQLLCLSYLGEK DDVTYAIKPTCWPGLDIIPFCLA LDRIETELAMGKFDEGKLPTDPH LMLRLAIETVAHDYDVIV\DSA HNRG\IGTINVCAADV LIVPTP VE\MFDYTSALQFFDMLRDLLK NA\DLKGFEPDVRIFVTKYNSN GSQFP\WMEEPIPECLPKHGSKK NNVRNANEVKGQIRMRT\VF QAIDQRSSTGAWRNALSIWEPV CN\EIFDRLIKPRWEIR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15826	46194	A	15917	1	681	MSIGGSGNSLCTRPKQQQGGTG LKQYEVSVPGTLRCLACPQACT LRKEHWIHFAPKSNYDSCRYIE EYFAYEASFMSVQLTELVIKSL EDLASLFMIHKKNPVSIPHTVW YADDIRRGEREAADVLGLTLYE LMLRAGEAAFQVCRSAYPDTR HWLVLCGHGNNGGDGYVVAR LAKAVGIDDTLLAQESDKPLPE EAPLAHEAWVNAGGEIHALNI GWPESEHLIV
15827	46195	A	15918	3	774	VKCSEKCLFLPLGQFSQFIQKLR WIFLDPLFIRKGGQVTPAFAM HLHEYISQGLESILGALDIEGSY DKQRTITIATTPSVGALVLPVIY RAIKTHYPQLLLRNPPISDAENQ LSQFQTDLIIDNMFCTNRTVQH HGLFAANMVLICREGNPLLSLE DDREAIAAAHVLLLPEEQNFS GLRQRVQEMFPGRQINFSTSYNI LTIAALVANSMDLAIIPSRLYNL FSRCWPLEKLPHPSLNEEQIDFS IHYNKFSLR
15828	46196	A	15919	1	741	MITVLLIATQFAPYFTEMALKG GFSFAGESAQISALSVGNMFGW SISELMSLGIIGVVVAVGIVASV VLFLRVLSMSWLKEVIGTEKAV IAMCHLRALPGDPSFDAQLGM NWVIDKAWDDLMAQNGGVD AVMFSNEFSLPYLTKGLVPALV AREILVRGMYVRGRKMVAFLV CCVALAISAMYELIEWWAALA MGQGADDFLGTQGDQWDTQS/ GYVLRAAWRINDGDIPRSLSLP PATALWLDNRI
15829	46197	A	15920	1	678	MCHLRALPGDPSFDAQLGMN WVIDKAWDDLMAQNGGVD VMFSNEFSLPYLTKVRPETTAA MARIIGQLMSDIRIPFGVNVLW DPVASFDLAMATGAKFIREIFT GAYASDFGVWDTNVGETIRHQ HRIGAGEVKTLFNIVPEAAVYL GNRDICSIKSTVFNNHPDALC VSGLTAGTRTDSALLKRVKETV PDTVVLAN TGVCLENVEEQLSI ADGCVTATTF
15830	46198	A	15921	624	734	TRTLRQIVDSRAIPFT*ERLHSP NQPKNPYPPEV

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15831	46199	A	15922	1	1923	MPFALGGDLEETPRSDPGVTF ACSLAQPMRKPTGVLGNRFHD TQEPVPVGGPGLRGFHLWHAPP LDRPAQFAAIRTDSSELMSSANP KSFTASPLMTFTPARSRINYRY YPAGTRAKGENEAFAARIHSF LPYRRPVFWATTMGQAKSAIK PMSTAVTRDASVFQTEYERSRF GARPWPLRKAPEAMGRGFHEI GVQCEAPTANTLEPSRRGAVM AAGLSFQRTPWREVLGRGEGSF LGAGSDPVLRALSLASTPFPGE KHVGSWGMGRIVLRSFALASSS LRHSGERIPGTVLPCDDIFACHQ RNYAEVFGIWRTTSSVLQPIEPV EPKCISQFLYIVLERRSSSLISLS FNSASLCRSRHDARYVLQHALF CFTTNDFGQIFTTFVSGGSGTR MSLPAEFGVIAQSDQKVLFI DLAVVIRITCLPSTMSWLKEVI GTEKAVI/AMCHLRALPGDPSF DAQ/LGMNWVIDKAWDDLMA LKMVRPETTAAMARI/IGQLMS DIRIPFGVNV/LWDPVASFDLA MATGAK/FIREFTGAYASDFGV /WDTNVARSRIRASTVFRLAQ RCQPDASEYGFRMIARVFDVR GDQNSEASLRVSGGIGPRTCAP VAWQSRRFPRLDSDVVKRF QADTDSLVLH
15832	46200	A	15923	480	900	KTRYSCRGETWSNPQSSQLSAL IAAVRHPATSNVCRSARSCCIL RALRAIQFHTGCSAGNVAPEW CQFAPCWRKPLKEESDSVFM VIKESLWQELADITDKTQLEWR EVFQDLNHHGVYHSGEVVGLG NLVCEKCHF
15833	46201	A	15924	1	431	SKVFAVAGCVLMTMPDSCN SWQKCRNKT MNKKIHSALLV NLGIYGVAQAQEPDTPAGVS TITADEIRKNPVAROVSKIIRT PGVNLGTNSTSGQRGNRQIDI RGMGPENTLIL/IDGKPVSSRNS VRQGYRLECGDG
15834	46202	B	15925	1	1352	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15835	46203	A	15926	31	546	CYCILFVSFPSNRPLCCRSAGVC QRYTPDPFCLGITSRGCRRAKIT ACSFLWKLHPRGALARCQPELS CWRCLSTLLEGVSPSGGTGVR DPYEEAVCPLAELKCCAGRSA VLFRAQRQGRSLSLKLPQLPF SPCVLCLSKLVPSPNSTRTSKL LSIPYSRGPALLEVLS
15836	46204	A	15927	2	479	
15837	46205	A	15928	1082	1386	ADPFQEREAEKYANPIPSREFIL EHLTKREKPASRDELAVELHIE GEEQLEGLRR/RQCYALPERLD LVKGTVIGHRDGYGFLRVEGR KDDL\YLS\SEQMKTC
15838	46206	A	15929	3	401	
15839	46207	B	15930	1	3675	
15840	46208	A	15931	1749	1941	SQIPTSEAQVMSNLMGTNGVLR PARAYRNEAVLS*ALVSAMYS QTFRNASFGVPQMFSTTSGV
15841	46209	A	15932	5	1465	KRSTTAQIRWISPLTSLKPRSKR QSKSCATKPKK WYVAAPCCWC SPTGISLKTRLPVPAPMAVGAIQ TRLVDQSLRCDANIIVETASAR DPHHFAVLLGFGATAIYPYLAY ETLGRDVDTHAIAKDYRTVML NYRNGINKGLYKIMSKMGISTI ASYRCSKLFEAVGLHDDVVGL CFQGAVSRIGGASFEDFQQDLL NLSKRAWWRCLSATIGCCDC TRGYLGGARITGQISSITVWGVI IPVVGLCHGWFWFSPTLYVDS WNP HHAPFFSAVGSSIAMTLW AFLGLESACANTDVVENPERN VPIAVLGGLGAAVIYIVSTNVI AGIVPNMELANSTAPFLAFAQ MFTPEVGKVIMA\LMEMSCAGS ILGGKFTIAQVFKSSSDEGYFLT IFSRVTKVDAPVQGMILTIVIIQS ELALMTISPSLNSQLKEMVNLA VVTNIIPYILSMAALVIIQKVAN VPPSKAKVANFVAFVGARNSF
15842	46210	A	15933	1	3666	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15843	46211	A	15934	979	1626	FSATITPPFIALQVRVRFHPLDAL LLFVISLWLQLGLPDELSRFTPF CLALPIIALAWHYGWQGALIA LMNAIALIASQTGLLLGAGIQR LRELNQLQKELARNQHLAERL LETEESVRRDVARELHDDIGQT ITAIRTQAGIVQRPAGHPLTDA GNGAGRARYCQPSRMANR*IS VKRKVVEHRCFVDFTFTNDDG AVNVDRRAVRGVFIAAS
15844	46212	C	15935	1	666	
15845	46213	A	15936	1	1137	MGKFGHTEIGEVDVRDWS DAL QAKELQKLPGHSRKLEDPPTSL FMLLNPHSDQFSSNAHHHLHA TAIDDDYTDPTKSTYALGLNWS NSILGGFNISGYKTSYDGDND SSNLNINWNKAFKHATVSVNW QHQLSASENNEDDGLFYVNIS IPFGRSNTATLYTRHDDHKTHY GTGVMGVVSDEMSYYVNAER DHDEPTLPAQNKAQEVLLDVV LDEAKIGVASMLGSRVRVKTW SWFADDKQEIRQGGFAGWLTD GTPLWVTGSGTSKTVLTRYAT VLNRVLPVPTQVASGQCVEVE LFARYPLKKITA EKSTTAVNPG VLNGRYRVFTFTNGNHITFVSHG ETTLSEKGLKLQSHLDREEY VARVLDREAKSTPP
15846	46214	A	15937	323	695	FTGPRRSLEIEVAELKQRLDSL AIGAGGSVCWTLQGAWSPTRA KAGELKTQLATAASLR/MDKH RSNSVGPHDLYFTLLDDYLHV VD TALWLSGGKASLDGGTLLT NDAGEMLFAEHHSAGPL
15847	46215	A	15938	1	235	
15848	46216	A	15939	98	593	MSKVRLMRNLSPAPPNAVAKG ESKPGIMSGWVF*AEWAYLITG *AKKKVYGSS/ARIHLRALRY SNWRQYFAGYTFGRQYWQSPE DDHLPLLREFLARHEYMQKYL LGTESGIQGEELGASDGIKPEEV EWQTAAIEGKLDLLVTLDFRM SSTCLFSDIVLPTAT
15849	46217	A	15940	367	677	LSSCLRATQSAPAVRNWKARFL RCTVVVWQKSSTGRNMYLPV RPTILKLRPTWHVTW*LSGASL RNWVHCCTRKKKVKCSSAVA* RKRNICPMKLHVSSTRK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15850	46218	A	15941	1	921	MEMSSLEFLHSICSHLKCHLLY YIASAYNYDWYTQPAKLSFISE GEIKYFTDKQMLRDFVTRPAL KELLKEAVNMERRNRWVDIGP GTELDICISQAYAQFVASTAECC GEGGIKAWDYVRMGFLSRMG VLNNWLTRRRKLLWSARSRIH LRALRYYSNWRQYFAGYTFGR QYWQSPEDDHLPLLREFLARYE RPMKKLAGRSSIILAFRGHDQ RDYEFPSKSALNIN*LRWALAS VK*TTACATGVFPVSVTGARRF
15851	46219	A	15942	531	637	SIFARLNASRRC*TSALYALLVR LPHIQITAKGIL
15852	46220	B	15943	120	881	
15853	46221	A	15944	1	1583	MADRVDSKCSRSRPGAVAHNY NPSTLGGRGGRITFWLLSANPSI NRGTLEKESRTVAQRLSVLHGI NAPEFFDKAVFSSLVLTLRDEG YISDSGDAEPAETMKVYQLLAE LITSDLMIFNISATVLYITAFIAC SAAVDLTSLRGTRPYNQRAAA SKEIEDLKKKLTEGEEISGCDVS GSDGDDNEEGKIGEDEEKRNT GGNKVPERTVETPATADAER KALETKLDVEEETRLQLNSRNR KKDLKTRQEHQSLPEKFSGLQK NVLLEAVIDPALIAQLRQAYEE ALARIAQAPAKSVWQPEEYEEA EHEILLAFRALLASDSEFLPSA WQRFIQLNYCSMEEIDELRWS LCTIAMNTAHLSEFCVVLLAER LRWLQEENTGEIDEEESFLY AIAKGNVFNQITLHLPVAVQN DTIDFYQMFARIWLPGAPGAYC DGLHTSKRTTCTTSTHQRQRKD TPPALNPHTATCTPPHTWLGAP PPASMRSGPHNAPTPPFTGSTPR HTHDHTNITNANIPHNVNSN

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15854	46222	A	15945	1	1228	MGVLNNWLSEESLWISRIHL RALRYYSNWRQYFAGYTFGRQ YWQSPEDDHLPLLREFLARYER PMKNCWKILDIEETTDVDIIRRA YLALLPSFHPETDPQDFKQLRQ AYEEALRI\AQSPAKSVWQPEE YEVAEHEIL\LAYRALLASDSER FLPSAWQRFIQQLNYSMEED ELRWSLCTIAMNTAHLSEFECVV LLAERLRWLQEENTGEIDEEEL GSFLYAIKGNVFNFTILHLPV ARRPDICTQHNDQSRCEGYQIL SDKRGHQHGGGITALYQCGNA DPRAKGERLFFDAPAKDSTQTR AEDAHYAGSNNMSPPDQQGDG RKQIWESVRVHTPVRCQQRSLP VTSYLNNGGEIFNLIGLICRTRRIA ARWVKSHRNRRARSFECLKRHR FVVAFNRRKPGLV
15855	46223	A	15946	71	323	AAGAVVSAMPKAKGKTRRQK FGYSVNRKRLNRNARRKAA\R GSNDLEAEASLPEKKGNTLSRD LIDYVRYMVENHGEDYKVS GS
15856	46224	A	15947	48	627	AAGAVVSAMPKAKGKTRRQK\ FGYSVNRKR\MSRNAKRKAAR\ GLECSHIRHAWDHAKSVRQNL AEMGLA\VDPNRA\VPSRKRKV KAME\VDIEEEA*KNLYRKPYV LNDLEAEASLSEKKGNTLSRD LHLTMYRYMV\ENHGE\DYKAI A\RD\EKNY\QDTPKQ\RS\KIN VYKRFYPAEWQDFLDSLQKRK MEVE
15857	46225	A	15948	796	1301	LTKKDYISPNARKAFVQRLPER NLLTRGLKRQRQPCLSCWCGG QARMPKAKG\KTRRQKFGYSV NRKRLNRNARRKAAPRIE/CVR GLGFRVAVGLGRDGRDDGSA MSLFAGSSHIRHAWDHAKSVR QNLAEMGLAVDPNMAVPLRK RKVLTWQGLGPCLLYSSPAILT
15858	46226	A	15949	512	675	SQDFGPPSAAPSPSGMPPGPSG CSSHRQQEDPPDGAAAPPGHGL RPGRLQELLV
15859	46227	B	15950	1	717	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15860	46228	A	15951	587	1387	RARSRILGNPLRPLAPAPSNDV GVQRA\FRPIRCRKAQPVPGSV ANRRRLRQHTRPDPLGTNRSEP GWWDRSWSPDQAKSGQSCVA KIKNKNHMIISTDSEKAFDKIQH RFMIKTLISKISIQGTHF\KIIKAIC DKLTANIILNGEKLKAFPLRTE MRQGCPRLSLLFNIVLEVLAKEA IRQEKEIKDIQIAKEEVRLSLFA DDMIVYLENPKDSFRKLLELIK EFSKVSGYKIKNQYCENDHTA VSGVGSFQWICGLADVKNAAA
15861	46229	A	15952	3	3201	SERGFRAGLDRLYPHTFLSTNSV LASVTASLKEHPRGTLTSDGSP ALSRNVGMTVSQKGGPQPTPSP AGPGTQLGPITGEMDEADSAFL KFKQTADDLSLTSPNTESIFVE DPYTASLRSEIESDGHEFEAES WSLAVDAAYAKKQKREVVKR QDVLVELMQTEVHHVRTLKIM LKVYSRALQEV\QFISTAIGRL FPCADDLLETHSHFLARLKERR QESLEEGSDRNYVIQKIGDLLV QQFSGENGDRLEIK
15862	46230	B	15953	83	1969	
15863	46231	A	15954	1	444	SSESAVEFSEPASGSSPSWELGS EGAIRDKKTSLGAHVGLSALGR ALENTIAFQGGKETDVQKSYDSP QGDCL\QDVKGKRPTLE*PSLE NPETRRFLDASYAWRESCLSW HHHTAHDIFAGKPVDPLPGSTR GQDSA VCSQGQFLIVR
15864	46232	A	15955	2	236	SEGAKRDKKTSLGAHVVLAL GRALEKTIAFQGSS/APSKGRKL RSRKVMTRPKGIAWQDVKGKR PTLE*PSLENPEVR
15865	46233	A	15956	1	459	KKVGNYTTPIYRFRMKCHLC VNYIEMQTDPA NC DYVIVSGA QRKEERWDMADNEQVLT TGE RHPLTCLGAL/DPESALGPPKPS RALIVAEHEKKQKLET DAMFR LEHGEADRSTLKKALAH T DHI QEAQSAWKDDFALNSMLRRRF REKKKA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15866	46234	A	15957	564	1189	AAPKMGERKGVNKYYPPDFNP EEAWLSSTDYHNSHPFRERASG SCSQGILIRFEMPYNIWCEGAC RTNFGMGVRYNAEKKKVGN YTTPIYRFRMKCHLCVNYIEMQ TDPANFDYVIVSGAQRKEERL GHWRTMNRLLTHRGIEEEAEA WKTAMFRAGTMGRPTAAHF KKALPKLEPHSGRPRAPWKDD FALNSMLRRRFRVPSKP
15867	46235	A	15958	2	1047	FVDGKLHGRGSTDDIGPVAGWI NALEAYQKTGQETPVNVRFCL EGMEESGSEGLDELIFARKDTF FKDVDCVCISDNVWLGGKKPCI TYGLRGICYFFIEVECSNKLHS GVYGGSVHEAMTDLILLMGS LVDKRGNILIPGINEAVAAVTEEE HKLYDDIDFDIKEFAKDVGAQI LLHSHKKDILMHRWRYPSLSLH GIEGAFSGSGAKTVIPRKVVGK FSIRLVNMTPEVVGEQVTSYL TKKFAELRSPNEFKVYMGHGG KPWVSDFSHPHYLAGRRAMK TVFGVEPDLTREGGSIPVTLTFQ EATGKNVMLLPVGSADDGAHS QNEKLNRYNYIEGTMKMLAAYL
15868	46236	A	15959	163	1388	RLVERWRPSGTLFKYIDENQDR YIKKLAKWVAIQSVSAWPEKR GEIRMMEEVAAADV KQLGGSV ELVDIGKQKLPDGSEIPLPILL GRLGSDPQMKTVCYIGHLDVQ PAALEDGWDSEPF TLVERDGLT WCSSCRGPYCRGSS/DRLSWKL PSVMWGDSREPHLARLD\HPSG LEPQRPGSTWGGDDRRGGRA LSRQLPYAGYAAAQCKGEVRP QVSSSRLVVECSNKLHSGVY GGSVHEAMTDLILLMEEHKLY DDIDFDIEEFAKDVGAQILLHSH KSHLHLDLLPVVVRLLGQALFH TAHFPDNIPSSSKDILMHRWRY PSLSLHGIEGAFSGSGAKTVIPR KVVGKFSIRLVNMTPEVVGEQ ACGAGTRESMSSLGYPSRAED DSGLSALPSQPQPFIYAT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15869	46237	A	15960	3	433	FETLFSQVQLFISTCNGEHIRYA TDTFAGLCIQLTNALVERKQPL RGIGILKQAIDKMQMNTNQLTS IHADLCQAITTPAMAV\SHIMLE SYKKYILVSLILLGKVQQLPKY TSP/QLVGRFI\KPLSNA\YHEL HKLY\STNNPC
15870	46238	A	15961	46	1481	TSGSDVAAREDLRWIAAAPPPR AAAFSRACCLRRSGRPGENMA SALEQFVNSVRLLLSQ\GCSCFP GQMTQLCELINMSGELLAKNLS HL\DTVLGAL\DVQEHSGLVLA VLFVKFSMPSPVDFETLFSQVQ LFISTCNGEHIRYATDTWQETV LLKSMVLVLVVIYYQPLRGIGIL KQAIDKMQMNTNQLTSIHADL CQLCLLAKCFKAALPYLDGDM MDICKENGAYDAKHFLCYYYY GGMIYT\GLKNF\ERALYFYG\Q AITTPA\MAVRHIIW/ESYKKY ILVSLILLG\KVQQLPKIFHLKLV G*IPLSLLSNAYHELAQVYSTN NPSELRNLVNKHSETFTRDNN MGLVKQCLSSLYKKNIQRLTKT FLTSLQDMASRVQLSGPQEA KYVLHMIEDGEIFASINQKDG VSFHDNPEKYNPAMLHNIDQ EMLKCIELDERLKAMDQEITVN PQFVQKSMGSQEDDSGNKPSS
15871	46239	B	15962	1	3411	
15872	46240	A	15963	689	925	
15873	46241	A	15964	1	244	GSAPQSCASPAPVSRSAAPGTA EAAEPWAIVPGVEQKNYYVCV PLGLIGNCTVTSSG\SLDCADW CLKWKSILMESLEVP
15874	46242	A	15965	469	604	
15875	46243	A	15966	286	433	
15876	46244	A	15967	4356	4643	DCPLARNKSKPQTVCLKARQTF QAINFSRALRITGYLTSFP SLRS TLPSSAGDFRASAWA*SGPTV* TLTSVPSVGINSSYIYEPV FRTL L SGE
15877	46245	B	15968	1	1472	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15878	46246	A	15969	918	1619	KTHVLSWGSPKSTWKAGWLQ KQKTTQEKKAESKAPIEEEPAG AGLNKDKETEERSDGERVAEV APEERENVAVAKLQESQPGNA VSCSGGRRKEDEREDWGKRTQ RTHPPAAAQAPGQCPPGSTEVG AGGGLRWTPSPGRQPAGVAAD MGITVLTVP LQRCLQNSWAKE PVLVVSFVIGSLTVLPPLSPYTK YSIMINEATPYNYPVPVHDDGN M/PDMCSHPQGPQGPSLEWL
15879	46247	B	15970	183	459	
15880	46248	A	15971	864	1197	GSFRLGHGRIPPFHLRGMKESL GPDFGDPCPVCLNSGPGPP\GV SAGGAGAGCGGMGRRDAWVP TGPVAESPGGHLAPISGRQGA PWGGPCGQLGAGTLGQAVCG MTQDP
15881	46249	A	15972	1	441	
15882	46250	A	15973	3	182	
15883	46251	A	15974	23	475	PLEKGRQFYYPQYEDQITFTDYL EEYPDTELVLWILWKQHLLKT EKSKLLSDISARLWFTYRRKFSP /ILGGTGPSSDAG\WGCMRLCG QMMLA\QAL\ICRHLGRDWSW EKQIEQPQEYQRILQCFLNRKD CCYSIHQMAQMVGEGKSIGE
15884	46252	A	15975	224	418	
15885	46253	A	15976	743	1220	WCWGHVRVRLVLAAGPSSRGVL LLLVLPSWASFLVRVCAWVG VLGDDGVLGGFLLWLGVVGRP LAVLRADLAVCVGVVCACVPF VVLPICAALVRVGCSLVEAALG L GARPLKTFFAVVVPLTKGGV VAGSMLVFVPAVGFEVPIELLG GPDSIVIGRV
15886	46254	A	15977	3	3492	RKHKVGILYCKPGQSSEEMS NEEAGPAFEKFLSLIGEKVCLK GFTKYAAQLDVKTDSTGTHSL YTMQDYEIMFHVSTLLPYTPN NRQQLLRKRHIGNDIVTHIFQEP GALPFTPKNIRSHFQHVFIIVRV HNPCTDNVCYSMAVTRSKDAP PFGPPIPSGTTFRKSDVFR\DFLL AKVI*RLRNAAEQVPTSFTPWA TRTRQEYLKDLAENCVSNTPID STGKFNLISLTSKKKEKTKARA GAEQHSAGAIA
15887	46255	B	15978	402	2884	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15888	46256	A	15979	294	1721	AVRPGRHDP SAGLR SAAAASQ* VRGHPGGLCA*GSIQGP GASAA EGPPAHSRAA*SKGGAELRTR* AGGRRPAGPHAQRP*LP*GPRV PLRPPSGTFLLP/PPACTPITSRPS *KSCSRASTPPTWSS*IPASGTSP GMVRTPGEA\PGEPGEPVVPVG PGAARVLPPGVE/PRPCLWARK SPGVFFRPSSGGRRPPS*KTKWS KPTSTAPPR\*T*LRCTGLAFPL PPREGEPALGRGALEWTCAPLP LPAAAGPRGRRLLGCGAAPPPPR GRVDQEEK\PGPRVEGPQANR NHPALPLSPPLSPT/*PPPAWVP TPALAAAPAPVPTASSSHSPSPG NAPVPTGSPRCLFFLRPYFPVGS ILLPFRCP LISPCRFLRRRQFYG WSSAA YALLPHTPLSAACPSGP TTALHGQPQSSCSCCQEATFTV KSGVVQSGRPSLRQFYVHDFCK IQPQQLLVSHATTKATTD RYST ASCVAR
15889	46257	B	15980	35	314	
15890	46258	A	15981	1	197	
15891	46259	A	15982	3	3889	
15892	46260	B	15983	172	287	
15893	46261	A	15984	8	166	
15894	46262	A	15985	250	1095	
15895	46263	A	15986	366	870	NHSLAKKGTAHGLGMEKCCGR SPFFSFFPSWIAKPTLRSSSSWPH SSSSPSMSSPLQRAVGDTKRAL SASSSSASLPFDDRDSNHPSEA CTTPGGGWEVADGNTDSLAD EGSDFEDSFNRNVKKKAARPP KTPPV/AKQPKKGSRVVHRHSR KQSEPPANDLFNAV
15896	46264	A	15987	30	229	ALETNIGSSYNYGSEDQAEFLC VVSKE LHSTPNGLSSESRKTK\ CYKPEAPGCEAPDHLQGLGVPI
15897	46265	C	15988	1	930	
15898	46266	A	15989	1	609	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15899	46267	A	15990	1	875	MRMEAGEAAPPAGAGGRAAG GWGKWVRLNVGGTVFLTTRQ TLCREQKSFLSRLCQGEELQSD RDETGAYLIDRDPTYFGPILNFL RHGKLVLDKDMAEEGVLEEAE FYNIGPLIRIIKDRMEEKDYTVT Q\VPPKHVYRVL\QCQEEELTQ MVSTMSDGWRFELVNIGSSY NYGSEDQAEFLCVSKELHSTP NGLSSESRKTKSTEEQLEEQQ QQEEVEVEVEVEVQVQVEADAQ EKGSRPHPLRPEAELAVRASPR PLARPQSCHPCCYKPEEPGCEA PDHLQQLGVPI
15900	46268	A	15991	1	2448	MRRGETRSRRPPQCWAFAHVV SRSSRRGEFFSFDRWKKHRSEV RESAQVPTTKREPVLFGHKINIK IVIALVDILFALGLGNLVCVSPV QLFSVQTDSDRATGDQRLPSWT AQRYGTRTLGPDGFTERCPYGP SPESLLCSALPWLRLGMPVAE APQVAGGQDGGDGEEAEPEG MFKACEDSKRKARGYLRLVPL FVLLALLVLASAGLEMLSDPGS RSYGSGLLPAWAKCPKAPHQR SLIPPDYAPGVNHPPPQERCSM GLRTQGTLGRHRVLSAQQVAF SVSLLMAKIAFAKQKSDDIIPDF KLFMVTLVHRPNRLSARVLTM VPVLPAPCPMLLPLLEGYKAEV MVSQVYSGSLRVLNRHFSQDL TRRESSAFRSETAKAQKMLKEL ITSTRLGTYYNSSSVYSFGEGPL TCFFWFILQIPEHRRMLSPPEV QALLVEELLSTVNSSAAVPYRA EYEVDPGLVILGQYCEWKPPG RRMQTPRPAMRMEAGEAAPPA GAGGRAAGGWGKWVRLNVG GTVFLTTRQTLCREQKSFLSRL CQGEELQSDRDETGAYLIDRDP TYFGPILNFLRHGKLVLDKDMA EEGSQVWTVTSGGWGDRNAV LTGMGRALSFLWLIQYLFCL VRAWVLEEAFFYNIGPLIRIIKD RMEEKDYTVTQVPPKHVYRVL QCQEEELTQMVSTMSDGWRFEL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15901	46269	A	15992	1	573	MPGLLSRPRRGSLRARPCGGGE ALPEHVAIDVCPGPIRPIQQISG YFPHFPRDLPHDAPARPATASA GRRRPSDGARDHDKDGDHLFG SLTIQHRPW/PAPSPDFPFTPFV LYPG\LKPMDHNLADPCVKL HLRPGARKVPEACQLAPDLQD SSCLTAITKAHDVLTVFLPAAL KIQGNKYLTFIQCQLF
15902	46270	A	15993	500	2022	WTREKEPPGVETHGKASRTTL GLSLWCCLHLSEIQSSFISDCAR PRCSGRLPGSGPMLLATPHVLA TVVASSCSKQLWWLPKVVATD QQQMMLKGLFIAGAPPGSPR/G VQPHLQPIRNMVSRTMEDSCE LDLVYVTERIIAVSFPSTANEEN FRSNI.REVAQMLKSKHGGNYL LFNLSERRPDITKLHAKVLEFG WPDLHTPALEKICSICKAMDTW LNADPHNVVVLHNKGNRGRIG VVIAAYMHYSNISASADQALD RFAMKRFYEDKIVPIGQPSQRR YVHYFSGLLSGSIKMNNKPLFL HHVIMHGIPNFESKGGCRPFLRI YQAMQPVYTSGIYNIPGDSQTS VCITIEPGLLLKGDILNSEILFGV DELSLTGFGLKCYHKKFRSPAR DVIFRVQFHTCAIHDLGVVFGK EDLDDAFKDDRFEYGVFVVF SYGPEKIQGMEHLENGPSVSVD YNTSDPLIRWDSYDNFSGHRDD GMEGAQHPQIGQDTPPGPSDPP
15903	46271	A	15994	171	720	LSGSSAGKVAAPCVPPSNHEL PITTENAPKNVLDKGERPSRGG NTRKSLE\TTASTGSPR/GVQPH LQPIINMNVSRMTMEDSCELGPV YRTERNIAVSFPSTANEENFRSN LREVAQMLKSKHGGNYLQRN VSL/RRLSPSLRHPGPWPPSQEP GMCQGEPPATLWPMPCGPT VLESPGGPGP
15904	46272	B	15995	145	972	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15905	46273	A	15996	2	1096	WPVLTAAAGCWLQDPAGHRGG RAGGAGRAVLFLQLQAGRAELR GLRARGWARSWAPAGCQRTG RDAAAAGRRAGRAGALLGFTC LLLAALCGHLGPSWRGGLAPG GEWIWLRASETRGPSGRPALM GSQKIRNITRTRHGPLHLHLSG CTTATPFCLTRSCSDAACSLKG LPCLCPCGLSVLIRVRLELRRHQ RAGHTIPRIFQAVVQRQPERLA LVDAGTGECWTFAQLDAYSNA VANLFRQLGFAPGDVVAIFL/E GRPEFVGLWLGLAKAG/MEAA LLNVNLRREPLAF/CLGTSGAK ALIFGEMVRAPPPNAQAPPLT PVSPADRLFYIYTS GTTGLPKA AIVVHSSARPSPCSSRTLRAAHR
15906	46274	A	15997	397	597	SIKSPEIHSPSTRIRMGCSLPT EAHAEGVIELSRIKCEIVKSD/ DRIPCHYKYPFQVSPSGSSP
15907	46275	A	15998	1922	3886	EGDNKLRPRIRKLFPLVVLRG DAQGAPPFKNWIMNNFILLEEQ LIKKSQQKRRTSPSNFKVRFVL TKASLAYFEDRHGKKRTRKGS IELSRIKCEIVKSDISIPCHYKY PFQVVHDNYLLYVFAPDRESR QRWVLALKEETRNNNSLVPKY HPNFWMDGKWRCSSQLEKLA TGCAQYDPTKNASKKPLPPTPE DNRRPLWEPEETVVIALYDYQT NDPQELALRRNEEYCLDSSEI HWWRVQDRNGHEGYVPSSYL VEKSPNNLETYEWYNKSISRDK AEKLLD TGKEGAFMVRDSRT AGTYTVSVFTKAVVSENNPCIK HYHIKETNDNPKRYVVAEKYV FDSIPLLINYHQHNGGGLVTRL RYPVCFGRQKAPVTAGLRYGK WVIDPSELT FVQEIGSGQFGLV HLGYWLNKDKVAIKTIREGAM SEEDFIEEA EVMMKLSHPKLVQ LYGVCLEQAPICLVFEFMEHGC LSDYLRTQRGLFAAETLLGMCL DVCEGMAYLEEACVIHRDLAA RNCLVGENQVIKVSDFGMTRF VLDDQYTSSTGTFPVK WASPE VFSFSRYSSKSDVWSFGVLMW EVFSEGKIPYENRSNSEVVEDIS TGFRLYKPRLASTHVYQIMNHC WKERPEDRPAFSRLLRQLAEIA
15908	46276	B	15999	58	1526	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15909	46277	A	16000	3	378	GASPD LGGRVLGAGASAESPR GRPFGPSPLGGPPVPGCQCAAP SLRDPWGLWAPVLQMTGSYEF KLNQPPEDGISSVKLSPHTLPSP GLSPSWET\SVRLYDV\PGNFM AVKYQ\HTGARPGNGPF
15910	46278	B	16001	83	2851	
15911	46279	A	16002	296	1186	AENHPGP\LVVEGKMTAPERM KHESNYLRGTIAE\NLNDGLTG GFKGANFLLIRFHGMYYQDDR DIRAERAEQKLEPRHAMLLRCR LPGGVITTKQWQAIDKFAGENT IYGSIRLTNRQTFQFHGILKKNV KPVHQLHSLVGLDALATAND MNRNVLCTSNPYESQLHAEAY EWAKKISKQLLPRTRAYAEIWL DQEKVATTDEEPILGQTYLPRK FKTTVVIPPQNDIDLHANDMNF VAIAENGKLVGFNLLVGGGLSI EHGNKKTARTASEFGYLPLEH TLAVAEAVVTTQRDWG
15912	46280	A	16003	225	386	GLCIPVVRSPCQLWGQKGPCM LRDEGRVFT*LSTKKNCPCGNMR RKYETVDCRR
15913	46281	A	16004	386	739	PLLIHWR FATIEEADHRLAAG ARTFQ/PLCGPPQAQAVWR*AQ *FQADRFPASRWRASSGRRF SRSGRARRCQSVAKRRRQIHEC GRSTPDCRCRMRQQYRCCRDA RRYQNRAPRR
15914	46282	B	16005	10	1468	
15915	46283	A	16006	3	1267	GRSRR**PPSAVPHD\PAVQRER DTQSLSVII*MQIYNFSNTTHLT NHNTFLT FHKTF TAETFQHIGP QPTTDPYHTAEAYCCQLVKLI RRQALRRCWQGAAILKCNSKP TNHCTS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15916	46284	A	16007	1	1673	MTPICTVFRALSRLPDLWHRSI GTLTEALPQTDKRQEIAVALT SYSGLYGLGYGSKEIQLTYS ESGIWFPYPSPNATHKGCGRHR FACPIAPHFLVIEPQSALGSCSP VEVDPGGCVFGAIRLLVLRDAP SFSRLNLTASGESLQGGPGFV GVSKVYAFLVVRNPTGTPMFT GTFEIPKWPTFPIPPVFGRLGSF VLQLQGPRSPGQCEYDRELVSG SRSVSSCLLVLTGLHLLSYKDA GVDIDAGNALVGRIKGVVKKT RRPEVMGGLGGFGALCALPQK YREPVLVSGTDGVGTRRRAL VLKRFVFIGIDLAMCGNDLVV QGAEPFLFDYYATGKLDVDT ASAMISGIAEEKSEILDGSKVSD GDVLIALGSSGLHSNGYSLVRQ ILEVHRAAADVLSADAVSW RAPYQTSSGLRKKINQGAVSFV DLHLSEVAQMVNYGFFGDIDV AVIEASALAPDGRVWLTSGIRN APTWLLRAKKVIIELNHYHDP VAELADIVIPGAASRRNNGSIFH AMDRLGNPHVQIDPEKIVAVV
15917	46285	A	16008	425	595	
15918	46286	A	16009	315	721	QCFRALGGHRRRIADRGENIQV WIEPGC/INDLLKWLNALDEKY RSRLVWARSSKNSLCASEANW LEMNNRLSKGDLPCIRPILIIMLI R*TCSYGFTALR*TQNAAGGGD SLAGGIGIFTLVFFTLPAYAIRW LPR
15919	46287	B	16010	652	858	
15920	46288	A	16011	238	2526	
15921	46289	A	16012	21	522	IPCCRSTRKTSGAGLSITSEQRR AAVSRISVTSSLLASAG/VRVYRQ HHARDVRERPVDKL/PR**TPC SARLSLYGPSR*WW/MARVLIF VTLPVRSRIVTVSPMRIGFSNRH RPEIKLAKISCKPKPRPTPSAAT SHCNFDHSIPIIEKPTSPPISSRY LVMVVMA
15922	46290	A	16013	2	527	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15923	46291	A	16014	1	1734	MVNGCDSTNASSYANVNGCDS TNASSYANGERCDSTNASSYA NGQVRSTNASSYANGERVRL DNASSYAIGERVRLDERTSYAN GERVRLDERILLANGDRVRHHE RILERKATFNNSGTTCCRAVYS RVSAMTAPDKAFTPHRQRCRLP DATLARLIRPQIPAPSVGRIRRL RRIGNSANCLMRRLRVLSGHKF PHHPMPNVSANGYRSFPFMA YMTFFGYLTAWSYCLCGCRW GSLKSPPLALCPVLVPGDGA VDTRIDAVLVALANLAAVRLYA KSSSAAGIINFVVLTAALLAVT AACTVATYALRTGKNRQYRA MQSFRRSSIDNRVDTFFKGTGA LGISVTVIAVTCKSRLVYPIPVY TGLSLPQRPAVVKVNEGSMET KDLIVI/GAGINGAGIAADAAGR G/LSVLMLEAQDLACATSS/ASS KLIHGGLRYLEHYESACEALAE REVLLK/MAPHIAFPMRFRPLPH RP/HLRPAWMIRIAENIS/DFVEP KLCLPRMGTRESVLPGVCRNY ESTITSVISVSPCERDMANYVPR HSAGYRRRFYPMTQPIKDAVEP VDQDWKAGKEMAASRS
15924	46292	A	16015	1	5895	
15925	46293	A	16016	170	371	
15926	46294	A	16017	216	477	
15927	46295	A	16018	2	263	
15928	46296	A	16019	1	2862	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15929	46297	A	16020	1	1567	MKLNKAGFNVPEYSLLKMPP VGCLISALKKAEDRQEVLRLF NPAESATCDATVAFSREVISCE TMMDEHITTEENQGSNLSGPFL RVRAGESIKFFNVLLADTPGLDI DTMDKDVAHDSRSIQLAMLRD DEILTHPVFNRYHSETEMMRY MHSLERKDLALNQAMIPLGSCT MKLNAAAEMIPITWPEFAELHP FCPPEQAEGYQQMIAQLADWL VKLTGYDAVCMQPNSSGAQGE YAGLLAIRHYHESRNEGHRDIC LIPASAHGTNPASAHMAGMQS RKTAGICCVHLWAGFGKVAIIG AGPAGLQASVTLTTQGYDVTIY EKEAHPGGWLRNGIPQFRLPQS VLDAEIARIEKMGVP\IKCTTEV G\NTLTLEQVKAENRAVLVTVG LSSGSGPLPFEHSDVEIAVDFLQ RARQAQGDISIPQSALIIGGQDV AMDVASTLKVLCQAVTCVAR EELDEFPASEKEFTSARELGVSH DGFTPVAVEGNKVTFKHGDLR TAPFLGVADKRNKSAGNHP
15930	46298	A	16021	62	329	
15931	46299	B	16022	289	334	
15932	46300	A	16023	1	2991	
15933	46301	A	16024	418	3156	
15934	46302	A	16025	1	2169	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15935	46303	A	16026	800	2406	SSRRMFPPAIRLLLLICLPARRWK SAL/GEEQLQNLQHISQEMGISP SLFSTQPLWQIAMVLQATQAQ KLGLRAEYGIDYQLLQAAKQQ HKPVIELEGAENQIAMLLQLPD KGLALLDDTLTHWHTNARLLQ QMMSWWLECEGGERERIFPVS KRMGKKLDAVFGDNHTASLTE TEEYRKSQVHFCIDKREISSG NYQSIQGCRSAFFIPSNSTRTK RGESMYRMDKLTGAAAYGAS AGSILNGMLNAYSPEQWNAIG VLTAAAGAEMNPTLRNKLVG AIVGGSGAITIAAVMLGNADGL EGRRYYAYQDVVGWVTVCDG HTGTDIRRGHRYTDKECDNLL KADLRKAIYISGYSGTNGIRDS LLFSSLWLIPVFLFPKRIKIIAAVI GVAFSRFIASHLAVAFESDPEAE IRQLNSRRVELERALS NHENDN QQQRIQFEQAKEGV TALNRILP RLNLLADDSLADRVDEIRERLD EAQEAAARFVQQFGNQLAKLEPI VSVLQSDPEQFEQLKEDYAYSQ QMQRDARQPGVCP
15936	46304	A	16027	2336	3105	HGNATIALIASQWRDHPVDLLL SLLVQSLT/GRLRELNQLQKEL ARNQH LAERLLETEESVRRDV ARELHDDIGQTITAIRTQAGIVQ RLAADNASVKQSGQLIEQLSLG VYDAVRRLGLRLRPRQLDDLT LEQAIRSLMREMELEGRGIVSH LEWRIDESALSENQRVTLFRVC QEGLNNIVKHADASAVTLQGW QQDERLMLVIEDDGSGLP PGSG QQGFGLTGMREVRTALGGAFH ISCLHGTRVSVSLAQRHV
15937	46305	C	16028	1	1374	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15938	46306	A	16029	1298	2896	GAFTCCATAGGCMNIRRNRL WIACAVLAGLALTIGLVLYALR SNIDLFYTPGEILYGKRETOQM PEVGQRLRVGGMVMPGSVQR DPNSLKVTFTIYDAEGSVVDVSY EGILPDLFREGQGQVVVQGELEK GNHILAKEVLAKHDENYTPPEV EKAMEANHRRPARPSIMMPEIG NGLLCLALGIALLLSVYPLWGV ARGDARMMASSRLFAWLLFMS VAGAFLVLVNAFVVNDFTVTY VASNSNTQLPVWYRVAATWG AHEGSLLLWVLLMSGWTFAVA IFSQRIPLDIVARVLAIMGVSV GFLLFILFTSNPFSRTLHLAYPN RCQPINWRGRHLVWYLLLFVIS LWLQLGLPDELSRFTPFCALPI IALAWHYGWQGALIAITLMNAI ALIASQTWRDHPVDLLSLLVQ SLTGLLLGAGIQRLRELNQSLQ KELARNQHLEAERVLETEQSVR RDVARELHYDIGQTITAIRTHA GIVQRLAADNASVKQSGQLIEQ LSLGVYDAVRPLLGRRLRPAQLD DLTLEQAIPLT
15939	46307	A	16030	15	277	KIGQKAPLGEARGGERTSRTA KNFGYEEMLSELEA/HRRG/WL KRV*PRMKLPPEALVETFIAQLF DAPSQIMPLTSPHLLIAIEMGS
15940	46308	A	16031	1	2916	
15941	46309	A	16032	1	2862	
15942	46310	A	16033	1	3099	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15943	46311	A	16034	1	1567	MKLNKAGFNVPESYSLLKMPP VGCLISALKKAEDRQEVILRLF NPAESATCDATVAFSREVISCSE TMMDEHITTEENQGSNLSGPFL RVRAGESIKFFNVLLADTPGLDI DTMDKDV AHDSRSIQLAMLRD DEILTHPVFNRYHSETEMMR MHSLERKDLALNQAMIPLGSC TKLNAAAEMIPITWPEFAELHP FCPPEQAEGYQQMIAQLADWL VKLTGYDAVCMQPN SGAQGE YAGLLAIRHYHESRNEGHRDIC LIPASAHGTNPASAHMAGMQS RKTAGICCVHLWAGFGKVAIIG AGPAGLQASVTLTTQGYDVTIY EKEAHPGGWLRNGIPQFRLPQS VLDAEIAIEKMGVP\IKCTTEV G\NTLTLEQVKAENRAVLVTVG LSSGSGPLPFEHSDVEIAVDFLQ RARQAQGDISIPQSALIIGGGDV AMDVASTLKVLCQAVTCVAR EELDEFPA SEKEFTSARELGVSII DGFTPVAVEGNKVTFKHGDLR TAPFLGVADKRNKSAGNHP
15944	46312	A	16035	367	849	NNFCSTTSHHGQHHHTDHRCG EQNVCHRDAICQTLFRITKDDSD NFICLIEAQSACHKDVNYNHDS QKNAADHHDKQQ*SPANFMPD TINDGFAERCINHQNGRLVSF RNPFFIARHPVTNPRPGKMPQH KRQQQLQHNFTDLLKAAPCTV NIHHQTNQQW
15945	46313	A	16036	1	1066	MHQRPRTRNAVEQHRFSRQLY YALHAFEITIPPLMRRGSPAL VNNKLSLEKRFSTRLKIDDDA LARLVSCAWPGNDFELYSVIEN LALSSDN GRIRVSDLPEHLFTEQ ATDDVSATRLSTLSFAEVEKE AIINAAQVTGAFPWWLGDVKL TIPLTLGMVAAALTDLDDRLAG RLRNLIITLFCFFIASASVELLFP WPWLFAIGLTLSTSGFILLGGLG QRYATIAFGALLNAIYTM LGT SLYEHWYQQPMYLLAGAVWY NVLT LIGHLLFPVRPLQDNLAR CYEQLARYLELKSRMFDPDIED QSQAPLYDLALANGLLMATLN QTKLSLLTRLRGDRGQRGTRRT GIL
15946	46314	A	16037	1	951	
15947	46315	A	16038	576	669	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15948	46316	A	16039	1	1047	
15949	46317	A	16040	2	425	
15950	46318	A	16041	148	1052	RARRGVSVKAKKQETAATMK DVALKAKVSTATVSRALMNP KVSQATRNVRVEKAAREVGYP QPMGRNVKRNESRTILVIVPDIC DPFFSEIIRGIEVTAANHGYLVLI GDCALQIQKEKPFIDLIITKQIDG MLLLGSRLPFDASIEEQRNLPP MVMANEFAPLELPTVHIDNLT AAFDAVNYLYEQGHKRIGCIA GPEEMTLCHYRLQGYVQALRR CGIMFCRFTAEGVQEIDYKDIA TLKNYITESGGVTELIHFIAEY SDNQRANAGGGVEDEDIEVLES LRLNENHAIKERCERS
15951	46319	A	16042	3	741	
15952	46320	A	16043	237	1542	FHRLWTGRFLPSPPSRRGTDNA AGRTKMPPSPVIF/WFALAQFV GVKHSRSIPFAAVRSHKARIRSI SRSDVATSILPQLS*RMFP*SQK ALVARFPARQNCAFRLPGV*/L DPGMDHAAVVARLVTRGGIV WFGGRDFYRSVDDIHFGAWGDL AKECFDIVIPQ'NTARTYPHAN AEIGVRTMKQINAAIGRQTNR MAHWVIRSSRHYRRQLNSLCFI TGADVCRWFPQHIVPGRDSVA HVVVQHVITYRLLRGLLHFAG DGGVNAITVFIGTFAITVIHLLA HHFAQVRRRESNLRRVIVSVNR LSACLIELLLGDIPFIQHPRQHD VTPRDGTIHRVERVEGGRRFRQ PGYHRHFVQRQLVDRFSEIDLC RSTDTIGAVTKVNLVQIKLEDL VFRQQLFNANREEDFLNLTHQR AFWTEEEVSRQLLGNGTCPL
15953	46321	A	16044	1	1059	
15954	46322	A	16045	104	349	RSAASPWKTRKALVCCSAVVIS PALKISMIVTISVQAHG*LRKGS GVKAALSWWKFQPTMKPTITS SLTGRRISCRSRVKR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15955	46323	A	16046	1056	2373	GPRLVQRSDHRPHDANYRQYL AGLSVHDDPLHGLAEXTIPDDL YEASAMDGAGPFQNFKITLPL LIKPLTPLMIASFAFNFNFLVLI QLLTNGGPDRLGTTTPAGYTDL LVNYTYRIAFEGGGGQDFGLA AAIATLIFLLRIPRRTTALQGMR SNLNMESSRWARANRRLKAIN TSLTLITQSCETYLIQNTRPELI TDTFREFFDTPVETAQDVHKQL KRLRRVIAWTGERETPVTIYSW VAAATRYQLLKRGVISNTKINA TEEEILQGEPEVKVESAERHHA MVNFWRTTTLSCILGTLFWLWT GWTSGSGAMVMIAVVTSLAM RLPNPRMVAIDFIYGTALALPY GGGRPVAVGVFYGGCYCTRDG LTRAPPPNAAPTAARYGPRTTP RTLKRGITDVRCEKRHHQRQA RNAGYQTVFSDLDRLRHPALR

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15956	46324	A	16047	1	2581	MVLMGLAQNIWQFLILRALLG LLGGFVPNANALIAIQVPRNKS GWALGTLSTGGVSGALLGPMA GGLLADSYGLRPVFFITASVLIL CFFVTLCIREKFQPVSKKEML HMREVVTSLKNPKLVLSLFVTT LIIQVATGSIAPILTLYVRELAG NVSNVAFISGMIAVPGVAALL SAPRLGKLGDRIGPRKILITALIF SVLAVIPIRHFEMRSKESRPSAW VTPKGEWGKGSVELVEIPTNDE TNDNIVAYWTPDQLPEPGKEM NFKYTITFSRDEDKLHAPDNAW VQQTRRSTGDVKQSNLIRQPDG TIAFVVDFTGAEMKKLPEDTPV TAQTSIGDNGEIVESTVRYNPV TKGWRLVMRVKVKDAKKTTE MRAALRVWNKPGQNHQHLGN GFYGGQVYGGYLETMFGGAGAE VLYRPLDSNWAFLDANYVKQ RDWRSKADMMKFTDYSVKTG HLTAYWTPSFAQDVLVKASVG QYLAGDKGGTLEIAKRFD SGV VVGGYATITNSKEEYGE GDF KGVYVSVPLDLFSSGPTR SRAA IGWTPLTRDGGQQLGPGYT DLL VNYTYRIAFEGGGGQDFGLAA AIATLIFLLVAIMFPLLMVVAIS LRQGNFATGSLIPEQISWDHWK LALGFSVEQADGRITPPFPVLL WLWNSVKVAGISAIGIVALSTT CAYAFARMRFP GKATLLKGML
15957	46325	A	16048	1	765	
15958	46326	A	16049	869	1012	MAISFMMSCFVT*VAANSAILL SMSWRA*SNSNGP*LANSILLS AAC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15959	46327	A	16050	1	1854	MTLSCNSTDFEKTVTSVPALPD VVSDSDMSLNALSVTLADNVQ LSFRRDSYSGQPSVIYTTTPQRPT AGSEDAPVWPEAFTEDVRHNR PPYPVIPRATRPACLARERMAM YMRPQIKTIGKAPAEELSNPR MQGPQLSSASTIPVTPFWLFG SHAAGHFSQHAHRTALTGHFS HLATTLKGLALEGNAIFTITRFT RPYGHKNTTPHSPLCSAPHSPIF NSRRKVYQGHPQWWAFIHS RPGSSSHSILHCFALVCPGLVV QRDTPHPIIRPALCPPIAIAFSLSL WLGNPSPFSGTQHLQGPKTFFQ QASPSSKVCPRKLICTVIPQQRV ASHHHFHGHNRYYQLGLPVQH CTLQGVIRATHFIPRTARNQISH VSWGAGPAHSDSQGKDLE/H EPIKPLDNSEKASKV/SQALET TTTAEKVQRQ/PVIAHLIRATER FNDR/LGNQFGFVLAS/HPMLL QDIFDKILQNIS/DPTLAATLKNT INTAVHSHLVPAGADGIFLLLRP FDAVCAAWIATAEYKDYPGMP GKTHLKIRLMRRERLIGIRFYSG LLPGTKAPYSRTLAFKRVLHTA LSLHLGLGKTCTTGFECLSLTLL EYASNAFTYWPDWHINRIKKN N
15960	46328	A	16051	249	724	EKVKKTKQRKEIENVTNITGVRQ IELWRRDDLQHPRLDEVAEEVP VALVYNGISHVVMMA SPKDE YFALGFSLSEGD/IIESPRDIFGM DVGVPACNGLEERRRALDG/R TVAGCGVCGVEQ/LLNDIGKPV QPLAPFTQT/FDLNKLDDALRHL NDFQPVGN
15961	46329	A	16052	71	408	RYLSTASQTNSIQIGAGLSRSRA FTTFGSKGILLSHTSVFIPDRCT SFSMMPTCSASLTSHCPFQMTS LLSSHHP/FK KKKFGT\KTGHCL CPSLNCLPCCFSQIMVIKQVIL
15962	46330	A	16053	668	905	CLHVLHHLTSHCPFQMTKPYST IHFLPRMTSLLSSHHP/FK KKKF GT\KTGHCLCPSLNCLPCCFSQI MVIKQVILEK KKK
15963	46331	A	16054	834	1057	ARLLFMDLLDERTLVAVERPL\ VTSLSSHHP/FK KKKFGT\KTG HCLCPSLNCLPCCFSQIMVIKQV ILEK KKKTK
15964	46332	A	16055	1	1011	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15965	46333	A	16056	191	631	NLLRGNKMATQSSPVITDMKVI PVAGHDSMLLNIGGAHNA YFT RNIVVLTDNAGHTGIGETPGGD VIYQTLVDA\IPMVLGQEVARL NKMVPQVHKGNQAADFDTFG KGAWTFELRVEAGAGLEARLL DLLGKALNVSGCELLGHGS
15966	46334	A	16057	2	335	GARQQQKFVLIAGGFP*QLL*T NAVIGREFRNVQECIGLHTAGF ANAVTKHFGKCAIALHNMAFR IEDNHRSVEMVNGNNQLSGLFF LRH FYAGIPYQRQVINPPLGAH
15967	46335	A	16058	736	910	RVSTPRATGTVPQRDYPLSVVA TG*PDSFHTYLFVRTY*K*V*VL AYLNTRQNDGDFP
15968	46336	B	16059	17	1699	
15969	46337	A	16060	3	440	
15970	46338	A	16061	1	564	
15971	46339	A	16062	1	1062	
15972	46340	A	16063	203	425	LNNWIISWLLHMMCLMKVAN CFRS*DRRELAVSAFFVLL*AM RLRRSSSGFLANLAHLQKMKL NSSTYVPPTKH
15973	46341	A	16064	402	713	RGVAISLGQSKSHGYIHFQVAQ REPEILG\DSIKAVRWCSLHGRL M***M*RD LKQWFSAP EA*VSL GTL CVIGQKAVGSLALMSWEP TPRPMGLLSTSR TLYS
15974	46342	A	16065	944	1305	LPLWFISALRLAGIAVWCVLST GFEQIRMIKAFGLEDRQSAL/FA ADAEDTGKKNMRVAR/IDARF DPTIGWPSSLGLLFSNRTPWVPF PFFFQVPQ\LHTFIRGILIWKTFP FWIFPPASSW
15975	46343	A	16066	1	756	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15976	46344	A	16067	50	1191	CLTIAVFFPAPQCPEMFSPICHT ARDGERAASMIQDYIFCFFSASF MKLKPERMHSHERAQTSDMLK DCRRHLPILMAGGMFAVLRK KHQQQTFIERPRISLTCMLPSW ATFLWLFTRIGQVLVTCLLMSR ECFVNE/VQVIATVSVNPQVN PDIVAMIGASAAALSLSGIPFNGPI GAARVGYINDQYVLNPTQDEL KESKLDLVVAGTEAAVLMVES EAQLLEDQMLGAVVFGHEQQ QVDSRGSPKGNRTCDNYIVIEG LIDYVNDMIENVSEEAFCVENR IMRHSDDHSCIVVRCLSLFALD LVLVVIASVSVNPCLLEVTRLR AASIVSQPNLNISDTWGIGAILY GAYTCSCIADPHKMMSSGPMY SHSCVEK
15977	46345	A	16068	401	1518	LILFMST/ALLDAVVKKNRVRLI PYMLALYVLAFLDRSNIQAKQ TYQIDTGLSNEAYALGAGIFFV VYAFLGVPANLLMRKLGARTW IGTTTLLWGFLSAAMAWADTE AKFLIVRTLLRAAEAGFFPGMI YLTSQWFPQRNRASIMGLFYM GAPLALTLGSPLSGALLEMHGF MGHPGWFWMFVIEGLLAVGA GVFTFFWLDDTPEQARFLSKQE KTLLINQLASEEQKVTSLSD ALRNGRVWQLAIHYLTQVAVY GLIFFLPTQVAALLGTKVGFTA SVVTAIPWVAALFGTWLIPRYS DKSAAKRYTRPHRECGYFSAPY HPPKKVRNNAHSGPGPICLIRL RVRVRPNLGIEVYKHDSPPNNA
15978	46346	A	16069	283	822	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15979	46347	A	16070	1	1400	MTDLIQRPRRLRKSPALRAMFE ETTLNLNDLVLPIFVEEEIDDYK AVEAMPGVMRIPEKHLAREIER IANAGIRSVMTFGISHHTDETGS DAWREDGLVARMSRICKQTV EMIVMSDTCFCEYTSHGHC LCEHGVNDATLENLGKQAVV AAAAGADFIAPSGAMDGQYDV FVRNENYWGEKPAIKKITFNV PDPTTRAVAFETGDIIDLLY GLPLDTFARFSQNPAYHTQL QPIETVMLALNTAKAPTNELAV REALNYAVNKKSLIDNALYGT QQVADTLFAPSVPYANLGLKPS QYDPQKAKALLEKAGWTL KDIRKNGQPLRIELFIGTDAL SKSMAEIIQADMRQIGADVSLI GEEESSIYARQDGRFGMIFHR TWGAPYDQRPSQSKRVRQR*F QAQQD*MKKPTQSKWNRATR VRGGREILTKFVLTA PLKWLKR SNSRRVSFAG
15980	46348	A	16071	592	1427	IPIGVTPCFSTLRRTLFALLACAS FIVHAAAPDEITTAWPVNVG PLNPHLYTLNQMFQSMVYEP LVKYQADGSVIPWLAKSWTH SEDKGTWTFTLRDDVKFSNG EPVDAEAAAENFRAVLNDR QRHAWLELANQIVDVKALSK TELQITLKSAYYPFLQELAL PRPFRFIAPSQFKNHETMNG IKAPIGTQPWNLQESKLNQY HGFGRNENYWGEKPAIKKIT FNVIPDPTTRAVAFETGDI LLYGNQRLPLDTFARFSQNP VYHTQLSQIWNQ
15981	46349	A	16072	1	1071	
15982	46350	A	16073	585	1072	RPARDVPLPIRGLQPSLRGP QQLEKPAVEVRLDKWLWAAR FYKTRALA\REMIEGGKVHY NGQRSKPSKIVELNATLTLR QGNDERTVIVKAITEQRRPA SEAAALLYEETAESVEKREK \MSPRGPPFVGAPKNPRGFL KLNALTMPHPDRRPDKKER RDLLR
15983	46351	A	16074	36	356	ASHTLARKSC*S/PSLLYQEN QAHNQMPASELKASEIPFHPS IKTQDPKAEKSPRSKR*L*Q RQVLPDPAADLSVKPPGPLML PLCYLSGPADITVLKASQDGL IIA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15984	46352	A	16075	1	2111	MNTPLQSAHTHLTLVEFIAYLV SDSPFPAASTLSLPTCNFDPCT KLGAGTMPPAAAGGQRRPHAA PPAAYPHRNKVRAAEARTSRA VRREYEAGDEASGRRGRGGRM KSVQNARADRGMWVRERRAV VRGQENTVVVFAAAASPEDFL QIVLRDIAREMVPEYKSDLQPR TQMDAKKPRKCDLTPFLVLKA RKKQKFTSAKHLWVQRKGKG VEDHADWQGQIWVGVEGKSA EGQGLNLTGAFNRSPENKVSPQ GPALNALEIDSSYLDPAALP QGWQGLLFPPLGTELVGSKLS VQIQKPPSNIKNSRMTQVFHKN TSVTSLPFVDTKGKKNTVSFPHI SKKVLLKSSLLYQVSADGLDPE KAGERPGFSPKPVLERPRIVGKS TVAAEEENQAHNQMPASELKA SEIPFHPSIKTQDPKAEKSPKK QKVTLTAAEALKLFKNQLSPYE QSEILGYPELWFLGLEAKKLDL APEKFSKTSFDDEHGFYLVH DHIAIRYEVLETIGKGSFGQVA KCLDHKNNELVALKIIRNKKRF HQQALMELKILEALRKDKDN TYNVVHMKDFFYFRNHFCITFE LLGINLYELMKNNNFQGFSLSI VRRFTLSVLKCLQMLSVEKIIH CDLKPENIVLYQKGQASVKVID FGSSCYEHQKGLPSRLRSVT TTSMILNKVLRFSKPLPHLQFE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15985	46353	A	16076	28	1327	GYKMPVITLPDGSQRHYDHAV SPMDVALDIGPGLAKKPLVIRQ GAAGLMAKLVDACDLIENDAQ LSIITAKDEEGLEIIRHSCAHLG HAIKQLWPHTKMAIGPVIDNGF YYDVDLDRTLTQEDVEALEKR MHELAEKNYDVIKKKVSWEHA RETFANRGESYTV\SIVEENSAD DDKPGLYFHEEYVDMCRGPHV PNMRFCHHFKLMKTAGAYWR GDSNNKMLQRIYGTAWPDKKA LNAYLQRLEEAARDHRKIGK QLDLYHMQEEAPGMVFWHND GWTIFRELEVFRSKLKEYQYQ EVKGPFMMDRVLWEKTGHWD NYKDAMFTTSSSENREYCIKPM NCPGHVQIFNQGLKSYRDLPLR MAEFGSCHRNEPSGLHGLMR VRGFTQDDAHIFCTEEQIRDEV NGCIRLVYDMYSTF\GFEEKIVV
15986	46354	A	16077	1692	1776	
15987	46355	C	16078	1	1341	
15988	46356	B	16079	83	373	
15989	46357	A	16080	2	64	
15990	46358	A	16081	1695	2293	EMISNPFIPSSILPLAKIRNIGIMA HIDAGKTTTTTERILYYSYTRSL GDVDDGDTVTDVFMAQERERGI TIQSAAATFEWKGYRVNLIDTP GHVDFTLEVERCLRVLDGAVA VFDASAGVEAQLTVWRQADK HNIPRI\VFLNKMDKTGASFKEYE VITISLQKSGITKLCFFCVLKL SQERCQASKCNKIEGQRFNQ
15991	46359	A	16082	1	2901	
15992	46360	A	16083	1196	1740	FWLKAMPTIVTASPRWFSC/LR EIRSAASAIASIAIQAARPSTV IATLLSNHGNSSDSTSVEMK AIINKLRILRGRSRPQRTGPTPS SSANGTISQVNMVLKNGSPIEL PSPSCLCTNGSSVPSNTTSIAAT SKTLFANSKDSRDHSALFTRER TLCPRAANSSEPANHQQHKGED
15993	46361	B	16084	49	398	
15994	46362	A	16085	378	566	
15995	46363	A	16086	1	2184	
15996	46364	B	16087	311	4963	
15997	46365	A	16088	12	335	
15998	46366	A	16089	1034	1400	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
15999	46367	A	16090	1767	2973	SGARRLAG*KPGNAVSAAPFYP YARPV/SMISPLIPC*CWKC/D PAAKROFRERTAVRCVAQFVD VGKLIPFWGLCVGIYATNSAET FLHRVVQLLNDSEHTLQDAIT IRDEFTATPSPADEVAYIQLSG GTTGTPKLIPRTHNDYYYSVRR SVEICQFTQQTRYLCAIPAAHN YAMSSPGSLGVFLAGGTVVLA ADPSATLCFPLIEKHQVNVTA VPPAVSLWLQALIEGESRAQLA SLKLLQVGGARLSATLAARIPA EIGCQLQQVFGMAEGLVNYTR LDDSAEKIIHTQGYPMCPDDEV WVADAEGNPLPQGEVGRMTR GPYTFRGYYKRSSVLGKGSDCS FGVFLPGLLPSASSVRRDSNVSI RNVVSLINSSRWKSGFTWHDN VLQLDGSFPLT
16000	46368	A	16091	845	1920	YPMMRK/RLMKLWREAKALHS DPFEPWASIEDADKAKSSKQA RGRGGFVRSSWQEVNELIAASN VYTIKNYGPDRVAGFSPIPAMS MVSYASGARYLSLIGGTCLSFY DWYCDLPPASPQTWGEQTDVP ESADWYNSSYIIAWGSNVPQTR TPDAHFFTEVRYKGTKTVAVTP DYAEIAKLCDLWLAPKQGTDA AMALAMGHPPERESGRYRLIPV PASGYPPDPAPEWDQFPHVEL CDTANGCPLPELASPAGYTSSIN RVSTCVSTLAKSSYSRVVRVKR LRRRFNGGVHFRRVVAVVIDQ HCRTAFTIHWLQREFTEEIKTAT SPLEAFKRPQNSLVVNALFRSN RNAAAAFSAL
16001	46369	A	16092	1	209	VSFMIIAALMMMIGDTGWLLV AAGFVGAIVIAS/ARPGRNKR IALISAIGMSIFLQNYVSLTEGSR DVA
16002	46370	A	16093	194	657	CLDHLRAVQSLRLPLSVPAAM RPGAAIGYTMVYGIIGMIN/FAH GEVYMIGSYVSFMIIAALMMM GIDTGWLLVAAGFVGAIVIA/S/ AYGWSIER/VAYRPVRNSKR LI ALISAIGMSIFLQNYVSLTEGSR GLATEMFLEKGDNGTEDGRAR
16003	46371	A	16094	1	3303	
16004	46372	A	16095	3	5071	
16005	46373	B	16096	144	326	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16006	46374	A	16097	282	599	IPVSI SGCHLAGAGTQTASGVP VHPHGHLAHQRQSFIGNTKTEC WPISSVPPHHW*A**TDIGAGSG DDQRVLDVWWNWRTKE*P*W W*PTNGLCRKVANRQAAR
16007	46375	B	16098	1	276	
16008	46376	A	16099	812	1084	
16009	46377	C	16100	1	1608	
16010	46378	A	16101	173	504	SADSKPVLPRTSASLVASACSTR CGLRQASMESNNLTMVFGFSIG KVWMRS*NSATSLAKSRISFGT RRRWHSCTN/SNTRRAMTMM TRPEFWRRQPCGLSIAAIESVIK V
16011	46379	A	16102	1	816	
16012	46380	A	16103	742	1182	PAFIECSKAQENNHKGNCYQSG SLVSR*AFLIRHTRPVITNARR*F *RKVFHQRHGIAGTGSWRGFPL NLH*RQTVVAFQSRRAIHPM*S GKGREWHHFAVGAADIKFIDIF WQHTEFGIRLNTRRAMTMMTR PEFWRRQPFTEIVA
16013	46381	A	16104	550	884	KRYGMAASFHSGEITTHRTPAP WRMVVMSPARSMADLAQTA WRG/APRPLPDTLATMTPQAY/ NSIQYDAEKSLWHNVE/NRQLD AQFFHMGMGFRRTLWAGITN AQVCGWTA

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16014	46382	A	16105	2363	2856	MLTLWSSPTTTRRWRWAASSV ANTLA*MTLSMAAMLSPQVDV RFATLCHDLGKGLTPPELWPRH HGHGPAGVKLVQLCQRLRVP NEIRDLARLVAEFHDLIHTFPM LNPKTIVKLFDSIDAWRKQRV EQLALTSEADVGRGTGFESADY PQGRWLREAW EVAQSVP TKAV VEAGFKGVEIREELTRRRIAAA SDTIPQLNEHDIHRRRH NKAIN GERDQRNALNQLQEGFNRYQR HHKSGDQPNGKHRDIAACQEA PALVEIERRCAHHHRHRQQRK SEQHAARFGIANGDLVRVWNK RGQILTGA VVT DGIKKG VVCV HEGA WPDLENGLCCKNGSANVL TADIPSSQLANACAGNSALVYI EKYTG NAPKL TAFDQPAVQAN TRPLRLARNQHRAFR CRITFHR FTRIMWVEEIGQRFGNHPFGRV RIQDSL CVCGALRYISATFN VW RKRAVTCVRSFGSDFTGSPPLR APKGESIRLLALREAGIIHILAL GEDYKMEINESRTVLKTEDNSY SFDVFIDARGQRPLKV KDIPFPG LREQLQKTGDEIPDVGEDYTLQ QPEDIRGRVAFGALPWL MHDQ PFVQGLTACAEIAAACGPFDKD RIEGGIVVRMAKEGETLVLLDG TEAKLNADTLVIADHNKALAM GGIFGGEHSGVND ETQNV LLEC AFFSPLSITGRARRHGLHTDAS
16015	46383	A	16106	390	636	KFLSFRPDRVCVACAEEARAGL CLRQCITGHPEACLAIPVLCVE CWGGTDADQPVA VFPSRFSQV SPDRGT*QWLCWKFL
16016	46384	B	16107	1	520	
16017	46385	A	16108	142	243	
16018	46386	B	16109	275	919	
16019	46387	A	16110	1	693	
16020	46388	A	16111	522	714	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16021	46389	A	16112	1	900	STCSSRSHLHLIQASPILPNYVA TAVAARIHADVQGISDTCVIAQP SPPHPGALRTLVTFTDEPETPQP PGAAGFQLVQKKQVQLHNVLY VMTPHAFAGQTVTIYLPGEQQT LSVAPLKNVVQLVTQQHLRDR LW WPGAFLTDFAAKVKALKD/ YPNHVMAQRASGEAEADDV AATIKSVRQQLNLNITGRLPV KLDPDFVRVDENSNPPLVGDYT LYTVQRPGTEQGSFKVKRARA RVRQTRAPLFGPKSPAPEHMES ELEFELIGPSKSTSGNPRGLRSE RPVLFCLYPEMPTAAAR
16022	46390	A	16113	150	649	NALLGTCPGTARFPGTGSAPTL HPDASRSGRGAACPRSAQWS PRPWQSVAGLAWLGAHWGSR STSRTAETASKRGHPRSPAQA LPPGPRPPRAPQLQRALQSVHP LSPRPAPLA/EPKLTAACWAEA VKITTVRYSDDSCSRLTDLGKP VQSMLLKDIRKVYNWQ
16023	46391	A	16114	153	740	THQLFLPPHHQEISQTTWLSAA WPRHTCAHLSPLQPPVPFSRP HVPLPGPSKTWSDGPRLQSLPG/ RPSERTPRR/CRSASGQPPHLGG EERLCLAAPSGRICHCEGDDES PLITPCHCTGSLHFVHQACLQQ WIKSSDTRCCCELCKYEFIMETK LKPLRKWEKLQMTSSERRKIM CFSDIPRHCRPMCGLVLVCAH
16024	46392	A	16115	1	1194	
16025	46393	A	16116	323	642	TGYARQKVPVPAAGWWTNVSAS TAPPIILPSITGSRLAVIKWLTVS AGKLSALLCASCQKGG/VGEM ANGNGERNHKQIGDTVLTTPQ HYRKIYQPIAARSCIRCVCGS



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16026	46394	A	16117	1	1782	MAGIRSTLIKEKNMITNYEATV VTDDIVHEVNLEGKRIGYVIK TENKETPFTVVDDIDGPGSNVKT LDEGLSLLLSLVSIVVIMKLFYQ YEQRFGMRSTSLLNVIGSNTIAI YTTHRILVEIFSLTLLAQMNAA RWSPQVELTLLLVYPFVSLFICT VAGLLNLTTVMPEQYRYTLPV KAGEQRLLGELTGAPCATLVA EIAERHAGPVVLIAPDMQNALR LHDEISKFTDQMVMNLADWET LPYDSFSLHQDNYLLVAFQPFY QLTDDAAVGVLIVPVNTLMQR VCPHSFLHGHALVMKKGQRLS RDALRTQLDSAGYRHVDQVME HGEYATRGALLDLFPMGSELPY RLAIGVNVAQAEVLNLESGAK QVLQETFGYQQFRPGQEEIIDT VLSGRDCLVVMPTGGGKSLCY QIPALLNGLTVVVSPLISLMKD QVDQLQANGVAAACLNSTQTR EQQLEVMTTRPRIGDGTGALRK RVAQLAFKNQPMVMGNWAQS ILHGGVIASALDVAAGLVCVGS TLTRHETISEDELQRQYRGWGP LIFALIICAQAGASVLLLLVACC VQAIKSPSPALNYTMKNSFILPV
16027	46395	A	16118	380	1431	TALLIRDMPPYVEAYPNENLTT VMPEQYRYTLPVKAGEQRLLG ELTGAACATLVAEIAERHAGPV VLIAPDMQNALRLHDEISQFTD QMVMNLADWETLPYDSFSPH QDISSRLSTLYQLPTIQQGVLI VPVNTLMQRVCPHSFLHGHAL VMKKGQRLSRDALRTQLDRAR YRHVDQPAHAGGKVLEMIVVG IATWLGFLFGLNYSLLAVLV GFSVLIPYIGAFVVTIPVVGVAL FQFGAGTEFWSCFAVYLIIQAL DGNLLVPVLFSEAVNLHPLHHR EQIGGNKMADRQCRKIVCATV RQLPEGGRGEMANGNERNHK QIGDTV LKATGSKQGDGQNHG
16028	46396	A	16119	1	940	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16029	46397	A	16120	114	1380	NRVHCRRCSSGGDTGVSHLKGI NVKYRYELTDSVGVMASLGFA ASKKSSTVMTGEDTFHYESLRG RYVSVMAGPVLQISKQVSAYA MAGVAHSRWSGSTMDYRKTEI TPGYMKETTTARDESAMRHTS VAWSAGIQINPAASVVVDIAYE GSGSGDWRTDGFIVGISGV LKD GTGKPVQNCTIQLKARRNSTTV VVNTVGSENPEAGRYSMDVE YGQYSVILQVDGFPPSHAGTIT VYEDSQPGTLNDFLCAMTEDD ARPEVLRRLMLMVEEVARNAS VVAQSTADAKKSAGDASASAA QVAALVTDATDSARAASTSAG QAASSAQEASSGAEAAASAKAT EAEKSAAAESSKNAAATSAG AAKTSETNAAASQQAATSAST AATKASEAATSARDAVASKEA AKSSETNASSADYAAS
16030	46398	A	16121	165	299	GILPISEPPSNRIFACWGKPAWT ACCNSLRARR*RAISCCPSHW
16031	46399	A	16122	1	388	MGSKSWVTQKGPAKAQSSQV GRVKQATATDTGRTRDSHMER PKCSKGYLCLPYMALQQHHLL SDVTVRGFVAGATNILFRQQKH LSDAIVEVRLCGSDLVLYGTST PKNLIWVMVHVVGHRPDRR*C CCNA/SVRQTQISLRAFGSFHM AVSGSSSVSGCSLFHSAHLTAL CFSWPLLCYPTLGPH
16032	46400	A	16123	130	414	
16033	46401	A	16124	1	387	
16034	46402	C	16125	1	1611	
16035	46403	A	16126	318	401	
16036	46404	A	16127	519	658	YPGSQLLASKGTKLDGE*V*RS RLQKVGNNKLLQAKGACSNPT QES

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16037	46405	A	16128	1	1837	FRPRQLVAAKPSVFADVQSMES VGTGGGAEAEAGGVRSRGLCPT RMLPGLAAAAAHRCSSWSSLCR LRLRCRAAACNPSDRQEWQNL VTFGSFASNVVPCTHPYIGTLSQ EKLYSTNVHKEGQGSHTLREE KVPSFVTAEGVGAKLISPLKQE PLQVRVKAVLKKREYGSKYTQ NNFITGVRAINEFCLKSSDLEQL RKIRRRSPHQDTESFTVYLRSD VDAKSLEVWGSPEALAREKKL RKDAEIEYRERLFRNQKILREY RDFLGNTKPRSRTASVFFKGPG KVVMVAICINGLNCFFKFLAWI YTGSASMFSEAIHSLSDTCNQG LLALGISKSVQTPDPSHPYGFSN MRYISSLISGVGIFMMGAGLSW YHGV MGLLHPQPIESLLWAYCI LAGSLVSEGATLLVAVNELRRN ARAKGMSFYKYVMESRDPSTN VILLEDAAVLGVIIAATCMGL TSITGNPLYDSLGLSGVGTLLG MVSAFLIYTNTTEALLGRSIQPEQ VQRLTELENDPSVRAIHDVKA TDLGLGKVRFKAEVDFDGRVV TRSYLEKQDFDQMLQEIQEVKT PEELETFMLKHGENIIDTLGAEV DRLEKELKKRNPEVRHVDLEIL
16038	46406	B	16129	1	1065	
16039	46407	A	16130	1248	1658	PLALPEFISKSWKERLTDTTVLF LKARRQSLCLQIGGDPLES/ILQ AFCVLSVAKESQLYTYLHAIMR TLKSSIARGARTFQSTSDGTVKS RPSKIIFLPRLHDFRFRSALRHL DPKKLDLGDGSRSAHRPDRRFF
16040	46408	B	16131	969	1026	
16041	46409	A	16132	339	432	RYMVLSEFRSMQTGITKWKERI L*NCRKRE
16042	46410	A	16133	3	443	HTWNSDRTMYLQRRHIFKNC FWLQAGYSLGAPSWRSLVTWV QIIFSDFYRKTLCSNSPLF*SLC QRQSTLLGTLLIFCSYASSPEAI NSAAPRVRSRPTDPRKARSPRG VGGAEGNGSRDTEPKGGRPLA TPSQGERLMAGTVTK
16043	46411	B	16134	34	1426	
16044	46412	C	16135	62	217	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16045	46413	A	16136	1	609	MIPVSEKSKIGQLNMLKGKKT KGKKVALVPAAVKKQEAKKV VNLLFEKRPKNVGIG/QDIQPKR DLH\RFVKWPRYIRLQQQTAIL D/QFIQALDQQTATQLLKLAKH YRPETKQKNKQRLA\RAEKKA ASKGDIPNKRPPVLQAGVKTVT NLVENKKAQLVVIAHDVDPVE LVVFLPVLHCKMGVPYCIKKGK ARLGHLVHRKT
16046	46414	A	16137	1	824	GTRPKMPKGKKAKGKKVAPAP AVVKKQEAKKVVNPLFEKR\PK NFGIGQDIQPKRDLTRFVKWPR YIRLQRQRAILYKRLKVPPAINQ FTQAL\DRQTATQLLKLAKHYR PETKQEKQRL\LARA\KKA WPKGTFPTKRPPV\LRAGVNTV TTLVENKKAQLVVIAHDVDP LVVFLPAL\CRKMGVPYCIKKGK ASLGRIVHRKTCTTVAFTQVNS EDKG\ALAKLVEAIRSNYNARY DEIRRHWWGGNVLGPKSVARIA KLEKAKAKDLATKLG
16047	46415	A	16138	1	799	
16048	46416	A	16139	1	344	MHQTAKTPHTSYPNNYEEHN RRANRSKNYDRIRHTTILKRTN PAQTITNLLKSRFNRYNYVQPR SCRSIFIHIPGERDLNLCIAPNPP AIFPTSIGYLGPDNLNLPTYAPFI TTNLTGPAPTTTHPVGNLGTG NPEPGGCILIVWCCVNWACL WDSVVAAPREPYMPAGLLRHR RHYRHRREDLIAVPAARQTDE NRRPALCHEYAVGHRKIKTNV EHTEPYILPLITHSQPLNRGAFF CPGVRFLVVSVDLFEKRLAFAS *SCGVQLRIRGKVQGVGFRPFV WQLAQQLNLHGDVCNDGDGV EVRLAYRVLVGQPQHYPRGRP
16049	46417	B	16140	1	1323	
16050	46418	A	16141	1	1356	
16051	46419	A	16142	1	1524	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16052	46420	A	16143	173	2310	QQWASRTRRWRS LITTL CVDA RSQHDYIALSRLFHTV MLFDVP VMTRLMESEARRFIALVDEFYE RHKLVVSAEVPLYEIQGDRL KFEFQRCLSRLQEMQSEEYLKR EHLAAKPETVKRDWYVVDAT GKTLGRLATELARRLRGKHKA EYTPHVD TG DYIIVLNADK VAV TGNKRTDKVYYHHTGHIGGIK QATFEEMIARRPERVIDNRRGS LRQAGYAIHDGGNNSMAKNTS CGVQLRIRGKVQGVGRFPFVW QLAQQNLNHGDVCNDGDGVE VRLREDPETFLVQLYQHCPPLA RIDSVEREPFIWSQLPTEFTIRQS TGGTMNTQIVPDAATCPACLA E MNTPGERRYRYPFINCTHCGPR FTIIRAMPYDRPFTVMAAFPLCP ACDKEYRDPLDRRFHAQPVAC PECGPHLEWVSHGEHAEQEAA LQAAIAQLKMGKIVA IKGIGGF HLACDARN SNA VATLRARKHR PAKPLAVMLPVADGLPDAARQ LLTPA\APIVLV DKKYVPELC DDIAPDLNEVGVM LPANPLQH LLLQELQCPLVMTSGNLSGKPP AISNEQALADLQGIADGFLIHN RDIVQRMDDSVVRESGEMLR RR SRGYVPDALALPPGFKNVPPVL CLGADLKNTFCLVRGEQAVLS QHLGELSDDGVQM QWGQRLC RMGTQVLPPTF NIEKKVQSARY
16053	46421	C	16144	1	184	
16054	46422	A	16145	85	416	
16055	46423	A	16146	96	570	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16056	46424	A	16147	2	1690	CCCCPCCCPCWGRVSGSVAGG PRQGLGLPLSLCISPGSLNKDPS YSLQVQRQVPVP/EGLCVIVSC NLSYPRDGWDESTAAYGYWFK GWTSPKTGAPVATNNQSREVE MSTRDRFQLTGDPGKGSCSLVI RDAQREDEAWYFFRVERGSPL TQKPDVYIPETLEPGQPVTVICV FNWAFKKCPAPSF SWTGAALSP RRTRPSTSHFSVLSFTSPQDHD TDLTCHVDFSRKGVSAQRTVR LRVASLELQGNVIYLEVQKGQF LRLCAADSQPPATLSWVLQD RVLSSHPWGPRTLGLELRGVR AGDSGRYTCRAENRLGSQQQA LDLSVQYPPENLRVMVSQANR TVLENLGNGTSLPVLEGQSLRL VCVTHSSPPARLSWTRWGQTV GPSQPSDPGVLELPPIQMEHEGE FTCHAQHPLGSQHVSLSLVH/S PSTAAGPLLLLGG*GSALQLLL/ SRPARPPLCAGGLGRSCWRGTA VRAPSRSPPAQPGPGTAP*AS MEGSAPASGS AVRPGTSTGPRV ALSSSCYQGSWSMGEDLA WGL PWELASLPCSLSVPALSSSG
16057	46425	A	16148	3	1578	VTQLLCTSNRRALEFALFPGR RFRPVATNHQSREVE MSTRGRF QLTGDPKAGNCSLVIRDAQMQ DESQYFFRVERGSYVRYNFMN DGFFLKVTGMEWGGNPCLSH WGGTLGTAYGLSREGSQGPLQ HKN/HPTTVSVPALTQKPDVYIP ETLEPGQPVTVICVFNWAFEEC PPPSFSWTGAALSSQGTKPTTS HFSVLSFTPRPQDHNTDLTCHV DFSRKGVSVQRTVRLRVAYAP RDLVISISRDNTPALEPQPQGNV PYLASPK\GQFLRLCAADSQPP ATLSWVLQNRVLSHPWGP RP LGLELPGVKAGDSGRYTCRAE NRLGSQQRALDLSVQNPPENLR VMVSQANRTVLENLGNGTSLP VLEGQSLCLVCVTHRQPPSQAE LDPEGTGSEPLPALRPRGSWSW LVGSSGARRRVHLPRSAPTGAP RRTLLPSPCTTPRSCWAPPAPGR LRVCTAAAPPRPARPPLCAGGL GRSCWRGTAAQGLLRGSPPAQ PGPWAQTASPEPSMEGLNSGPQ

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16058	46426	A	16149	90	1029	MLLPLLLSSLLGGSQAMDGRF WIRVQESVMVPEGLCISVPCSFS YPRQDWTGSTPAYGYWFKAVT ETTKGAS\ VAPNPP\ SREVEMST RGRFQLTGDPKAGNCSLVIRDV QMQDESQYFFRVERGSYVRYN FMNDRVL\ LKV TALTQKPDVYI PETLEPGQPVTVICVFNWAFEE CPPPSFSWTGAALSSQGTKPTTS HFSVLSFTPRPQDHNTDLTCHV DFSRKGVSAQRTVRLRVAYAPP ETFGISIFTVTNTPDPENLRVM VSQANRTVLENLNGTSLPVL GQSLCLVCVTHSSPPARLSWTQ RGQVLSP
16059	46427	A	16150	270	1001	CCCTVYRAFIRKRLKRSSDSVY RRKNPSASYDRDAEASLA AVK SGEVDLHQLASTWAKAYAETT LEHARPEEPSWDEDFADVHD LIHSPASETLLNLEHNYFVSISEL IGERDVELKKLRERQGIEMEKV MQELGKSLTDQDVNSLAAQHF ESQQDLENKWSNELKQSTAIQK QEYQEWVIKHLHQLKPNPNS LSEEIKVQPSQFRESVEAIGRIYE EQRKLEESFTIHL* AQLKTMHN
16060	46428	A	16151	60	648	LAMSLSHLYRDGEGRIDDDDD ERENFEITDWDLQNEFNPNRQR HWQTKEEKGS LQRKEFFD LV GLCFCA YRARDYSAPVNFISAG LKKGA AEEAELEDSGFLRFFFI LFFH*LSFDFSFLQGGNFKPSQK GFAGGTSFMDFGSWERHTKG I*FTYMNCCDRKTLFFFC*NSSG IINPIEAKQRKGKGA VGAYG
16061	46429	A	16152	237	450	LAMSLSHLYRDGEGRIDDDDD E/REENFEITDWDLQNEFNPNR QRH\WQ\TKEESTYGVWAERDS DDERPSFGG
16062	46430	A	16153	12	85	VSFLSMGSGHCIRSTRGSKMVS WSVIAKIQEIWCEEDERKMARE FLAEFMSTYVMMNIHMIVEKN T*SPFCPPWARATVSGPPVAPKW SPGP
16063	46431	A	16154	49	481	
16064	46432	A	16155	20	248	
16065	46433	A	16156	493	728	VSFLSMSSGHCIRSTRGSKMVS WSVIAKIQEI*CEEDERKMAREF LAEFMSTYVMMVSGRAARSG WALPGPSMTSPF

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16066	46434	A	16157	136	306	ASSSREGLTKFAKFTKFTKIHQI *ITLTSYSIKSLEKVCADLRGTEK ENLKVKGVPV
16067	46435	A	16158	563	1216	MMFWPELQPRVCWMGLSWVN HQNGRRRRKNQKHH*QKVPLL IMASK*KLLEFLNRETKASANL SETVTKPPLPQKNTAQVGASSQ TRKPNKLAPHPAVPAFVKNTCP SRPRERQTHFLRPEDRMVAL KPIKIVLPPVFMFSPQGIRSR MPTQHLYCRWVAPKALVPTCL PTHLSRKEEKPKRMDTPFLPY SRPPSGEWLLIVLWFFNRSQRS
16068	46436	A	16159	1	143	
16069	46437	A	16160	40	230	KQAAQPAVATLSGPLPHCGSFV LSLFAINLVAHSLGPHCLYEL* HSPRRSTASLREGPRLHS
16070	46438	C	16161	233	319	
16071	46439	A	16162	290	472	EFLDTFCYIPKVVDQ*D*THKQ QHNVAIPHVSSAQMFSTFC*RT MPTISDDPWHMAMRAV
16072	46440	A	16163	3	553	
16073	46441	C	16164	270	608	
16074	46442	A	16165	2598	2943	HSPRGSAAFLKSVRPRTHQFR TQEDRLSPGIQDQPGQPSNTPSL QKL*N*LGVMGRICSPSYLS*P WREDHLSPPG*GCSEP*LHHCT PAGVTKSDRVSKNK*INKNKIN NDNQ
16075	46443	A	16166	2	58	
16076	46444	A	16167	218	342	
16077	46445	A	16168	734	872	
16078	46446	A	16169	1233	1706	CLVFWLLYYPGQLPFHLLPHS LGSGQQSSEESAATPSLAEGRR EAAFRCPAGLARQAWRPHAR LPGPAAPLAAPSLAPLPTGRSG RWLPMLCAASC*SPSPAMSVYP QRRLGQGGAEDEGGPVSRGC RAPGPQRPLAAPGEQTAARTQ AICLIW
16079	46447	A	16170	598	1159	CRQTGVKIYDVWFFWLLYYPG LQLPFHLLPHSLGSGQQSSEESA ATPSLAEGRRREAAFRCPAGLA RQAWRPHARLPGPAAPLAAPSL APLPTGRSGRWLPMLCAASC*S PSPAMSVYPQRRLGQGGAEDE EGGSVSRGCRAPGPQRPLAAPG EQTAARTQASVYLLPHSPPLL SALHIHLLPPS



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16080	46448	A	16171	834	1185	RSLFRHHRPSAAFPRTPCSDCPR CSAGTMEDCWLVLGSPELR*KS LHERPFHWLPSPSRARCCLPRSE TPAGVPVPPRPGRRARRRPRGTS RPPPASSRGRGALGSLPASEPLP ARAT
16081	46449	A	16172	78	478	VVKNSLIFLVNQVLNSRDFHVF FKTT*NCPAQHAHTAALYQGLGP ACSQRASHWMSSSSKRSSKSLK KSA*TAFSLAAKSIKSPGAASRL GNGKARLCQVRFPKEQVISALQ GHYPHKRRWVRGNRLKLEST F
16082	46450	C	16173	1323	1656	
16083	46451	A	16174	77	231	RSCMTLMWPRSTP*FGLMERR RHMFDWLLITMLWMLPTKLGS SKLSPAA*F*SSCLIL
16084	46452	A	16175	1	255	STSKGEKPAIRAMAHFLEPHPIN FLGARARKADLSPT*YHFFKHL DNFLQGKCFHNQQDAENAFQQ FFKSQSTNIFYAGSSSFVTEV
16085	46453	A	16176	690	1020	SPVLQRAFKNGPGTANERTVQ WWFKKLCKGDESLEDEEHSG* PSEIYNNQLRAIFKADPLTITRE EVFPHPLYSPDLSPTSYPHFQHL DNFLQGKCFHYQQDAEHAFAQE
16086	46454	A	16177	1	383	MHRSCGSDAYALLGERSVSLR RCAVRHAGGIRSANADISNDKA GEKPARRKTKGSCPTLIGAGLV QSLSPIQSAADAGELGSNGILPD VESLRIPVQYLANLLTAGDTKP VLRALKRMLAMRHYKRAETV DGKVDTRALEEVGLTEAQAQE MYRYLAIANYEDRFVVPSSHRE LAREAFPEKNGCGFTFGDGCH GSDTKFNLFNRRIDAID*PCPD *RWTGTLGLPASGLFTRFIVTY VSIRTSDTSSMPHSTPSQA\TERS PNNA*ASLQTC

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16087	46455	A	16178	740	1977	SASASRSLEHITVTPSTGILTCFP STTPFGLAL/GGTLGLPASGLFT RFIVTKSSIFSVTPLVQPKPCN GYSPPPPPVPHRREFQRRVIAEK IFCQHHRAKLNRLERQYLTVN FRAIAQRVNIGITGLQITIDANA AINRQPGASCQGRFPGAVRCGG NYRIHFDIALAVQRWPECQNP FPAPVTEISTADERPSPLTGCLQ RLVTFGSVIFGIINMIMRLAPIGR FGAMFTIGKYGVGTLVQLGQ LIICFYITCILFVVLVLGSIKAT GFSIFKFIYIREELLIVLGTSSSE SALRRMLDKMEKLGCRKSVVG LVIPTGYSFNLDGTSIYLTMAA VFIAQATNSQMDIVHPITLLIVL LLSSKGAAGVTGSGFSVLAATL SAGGPIAGSGSGADPRYSTALC
16088	46456	A	16179	757	1037	FLDPSPEPNVTVPSTGILTCFPS TTPFGLALGVDSPCPD*RWGTG LGLPASGLFTRFIVTYGVTPALD TGLM*LRSCGPPRSML*HRTQQ KC
16089	46457	C	16180	1	313	
16090	46458	A	16181	178	290	LLLGLASEN*HCPIASEAP*TTT DTELWVTLTVEGKS
16091	46459	A	16182	1	251	
16092	46460	C	16183	129	1136	
16093	46461	C	16184	117	364	
16094	46462	A	16185	636	748	LLLGLAAED*RCPIASEAPQTIT DTELWVTLTVEGKS
16095	46463	A	16186	37	444	DPQVGKLLQHCPARIKMTVTF NNHRKPQLSKFHQLYSED TQQ QIIRETFHLVFKRDENVCKFLGT IWSLTTGKLNRGQAPLFGIFHT VELHLEIRSSCQGIVHF*LTCFSS CPCSGPFVNSPFYLPLESGHKS
16096	46464	A	16187	179	422	LQLGPKEKQSRVLGSFFQVPSC GKMGCSSGSRHIGFPPAPQLSG GPLDPRQGSGISEMK*TE*GGY PKGSPQHYSRKHQGS
16097	46465	A	16188	1064	1374	KEQCLQALSSVKNREKRPSSFH PICWSAVSFSVGREGDMWPLAP FPDSENVAGAGALLRLAALPG LSWALRPPPPAPVRSWATSGW* GGQGREPGRGIPPRW

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16098	46466	A	16189	44	515	VGGGGVQPSMTMGDKKSPTRP KRQAKPAADEGFWDSCVCTFR NSAEAFKCSICD\VRKGTSTRKP RINSQLVAQQVAQQYATPPPPK KEKKEKVEKAGQKRKPEKRPR KFSP/SVVTKKNTNKKTKPKSDI LKDPSP\EANSIQSANATTKTSE TNHTSR
16099	46467	A	16190	382	795	DSGRSWKRLSPPRPMCDTWA LGSYPRLCFAVSPPFSCSLPLPSL FPHSPLLGRPKRQAKPAADEGF WDSCVCTFRNSAEAFKCSICDV RKGTSTRYLKICVTWVVVVI*Q VFIEHTAICALGVQWYKDRPGP CSYGA
16100	46468	A	16191	2	343	
16101	46469	A	16192	472	625	KTSLFQHWLWKVTIVIVMF**L RVNVGKLLNNIHRYNSENLASL GSQWKFP
16102	46470	A	16193	343	693	KTSLFQHWLWKVTIVIVMF**L RVNVGKLLNNIHRYNSENLASL GSTQIPLKAFTNPCHTSFTLCKH MVIQAHQEKQLIQILYLGDLL ET*HFQAFWQALDENMTLLESI TGFEFG
16103	46471	A	16194	340	534	TAIMNDMVTI*TRKFMTNQRLQ RKQMVIDVLHPGKATVPYLILI EQLRFARHCAWYGGDSDETS
16104	46472	A	16195	80	552	PIPHLEKFHAPTRRTFRGNQM\V IDVLSPPGKADQCP*AQEIPGKT *PKMYQDPHPDVI\FVFWIPELH FGSRGKTKLAFGNDFMTSLGFI AKEKWNPKHRTLQGHGPGME/ ERKKTSKGKPTERERQGTGLEG KFQGGGLAKGPFFGAWAKRRNE VSSS
16105	46473	A	16196	248	474	YPETPESPTQLSSGQPHREQPPE MPESPTQPSSGQSCQEQPPETPE LPM*PCLAQPSQKHKMIK*QNN KHENKM
16106	46474	A	16197	223	669	PRPSLPACSPWRIVDDCGSLKS WKRVCQWLQPCPNALPSCLG PLRCEFSGFPRN*LGLGSTTGSF AVWGGFLSTIDCGLVRRPGPSP FHPVLPALTSVSLPPTPPGGPLA MVGSA MMGGWSGEWEILHLA SSTHPYPSLPSPAPPFLE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16107	46475	A	16202	188	484	HFGRVEVGRSQGQEFQTRLAN KAKHHLYSFMNESQISPIGC*P M/PPKLIRKVHREKNCAGRNL T\R\QMSGFKTGPPGPPARPSSPTLP PPPPLPRLPRRP
16108	46476	A	16203	36	409	
16109	46477	A	16204	651	893	NTSVKNNFSFMNESQISPIGC*P MAPKLIRKVHREKNCAGRNL T\RAEKRLQTPGLPVPPARPSSPSS PPTPPLPAATPGGR
16110	46478	B	16205	13	441	
16111	46479	A	16206	3	205	NSSNSFSIQFCSFAGEELCSFGG EEAFWFLEFSAFLRCFFLIFRDL STFGL*CAPLEEKRHSGFWNFQ PFCAAFSSSSGIYLPVFDAGDL QMGFLCGCPFC
16112	46480	A	16207	23	841	EKAKEFRRAEEKKEVPAVPET LKKKRRNFAELKIKRLRKKFAQ KMLRKARRKLIYEKAKH\YHK EYRQMYRT\EIRMA\RMARKA\ GNF\YVPA\EPKLAFVIRIQRVS MGVSPKGSERCCKLLRPFVKIF NGNLL*KLNGFRLTMLRIVE PYIGMGGTPIKSVNELIYKR\G YGKIH\RKRIA\LTDYALIARSLG KYGIVCMEELNHEIYTVGKRFK EANNFLWPFKLSSP\QGG\MKK KTTHFVEGGDAGNREDQINRL HRRNELTRLTWIFF
16113	46481	A	16208	1137	1200	PPSAPAPG*LRPPALSSGSP*PPS APAPG*HAPPPSAGTPPP

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16114	46482	A	16209	1	1480	MNECRGVEITTVCSSEDWIQRHL PGAVVPLKGEGNVGVATEDHY QEDSFGLRGTGKPLKLEKSR PGAVTHTSPSDGLTQYVPDSL AMPAAVVIWVIRPGCGVQQQ IGFLRHSNIDDIRPRTIIRAVAPV KLHGIRIKMASFTSATRLTDEQ VITAPADSGIVIPRFSNWWAG GKTHLTHKDSHKLKVGWKK AFHANGHQKQAGVAILTSDKT NFKATAVKKDEGHYIMVKGL DQQENITILNIYAPNTGAPKFM KQLLIDVRNEIDSNTHIAGDFNT PLTALDRSSIQKVNKETMDLNY TLEQMDLKDIYRTLHPTTAEYT IYSTVHGTFSKIDYMTGHKTS L NKFKKSEIISSSLSDHSGIKLEID SKRNHQNHANTWKLNNLFLNN RWVNNEIKMEIQLFELNNND TTYQNLWDATAKVVLRGKFIAL NAYIKKTERAKKIYSHSTGI*K QEQTCPKPSRRKEIKIRAELEI TTKKTIQKK
16115	46483	A	16210	32	398	ASERLGGPGSPG*/PVNPRTDGS GAAWLSQRAQCTQSDPRV*EV PEHLSPSTPSQEYRGLPAL/PHTS RPSHCLPACPLPSRTQPWVPVK PGPTACRGFLQHSPTPGSPSP*S FQGSSWWDTDL
16116	46484	A	16211	2	681	AEPWDEGGDGVPCRPVSSGSV* V*TLYLDSSVQLCGTEAPQHPV DGPPGGKLCHEGSLHLRQQQIP GPRLVLQFVQQAGVCGPGGNA VYSTPRDSASLVSGRTSMLFLR KFGKTWRKGKLHQRGPASPV LGRECNEWG*VIGRHPAQSS/SGP ACAKDAAELGAAMPGLVSGPL GAALQPRGAGVQLGAATGPGS CSK/RGSPKADAR/PRHSQEPGQ VPPHAPQGPGLS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16117	46485	A	16212	102	1005	VQWSARPDATPLSTEP SLADYP EAQSHIPRRGPRRPEKQGRGGK PPRALGRERAGGSGRGPPASPD PLSRPCSQAPPPGASAGA*DAP ACRREAGSDGVPCRPVSSGSV* V*TLYLDSSVQLCGTEAPQHPV DGPPGGKLCHEGSLHLRQQQIP GPRLVLQFVQQAGVCGPGGTD GSGAAWLSQRAQCTQSDPRV* EVPEHLPQVDTHKGELYQ*PGG RDGPGWEEPPQCGMGVSEAHG GAGGPGEAGKGR LQRKFGKT WRKGKLHQRGPPASPV LGRPR PE*VLLRCD*EG*PPSAGQLL
16118	46486	A	16213	378	494	GTACLQIPQTQGV*QRGFLAEY IQWQLRMRS GSIPVRTG
16119	46487	A	16214	18	894	SVGSLCCLQETPGLRAFGVPWR SAQRRWPRRSAASLLSLVLPGR AHSRPTLAPGPLEAQPPPGG SALAQHSRTAPAGTSAACLWP VSEQGAAPMCQVTRPPGSQAP CSQPSAHAKHLTTGSSSPA EA SALPRA*TGSRWETKSSERVSSF SA*GTACLQIPQTLRRRTG*RQ VGRRLPGSGGFDGCSIFS*S*PV TYSLRVSATSSNEATQLGTT*S NSIIFEFCSAQSTAVRCRLFST*T DAPWSRSSSTTKTCFSITASCSA VLPLLEALMEAPCPLACSSA S
16120	46488	A	16215	340	582	
16121	46489	B	16216	93	711	
16122	46490	A	16217	1378	2081	LSRKKPNWPSSMPWYQFSLIWL MSVKTSPSWKPSSPWFSGWKS YSTLQLGWSRGGMLLLGVQM DLLEDWKGDEAAILGTVVQ GK PPLDCSGSPRSK\APRTWAYTPA WGVRLPASCA*ASLPARPGSA WPASGRSAAPP/AARS*LICSM SVSRRLCMLVSATSLESSNFSSA WRSSSGILPCRFSMSRESFTSA RCFMDSPASSASLKLDSLPS SF WWRIHSLRSPSDCG
16123	46491	A	16218	191	288	
16124	46492	A	16219	67	209	
16125	46493	A	16220	96	341	
16126	46494	B	16221	1	1185	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16127	46495	A	16222	192	703	AMPSCTRAGLAFVCHVRRRCGLSCRGVIPASSQCLFPAPMGTTATLRMENVDVKEEWQD*DLPRPLPEETGVELLGSPVEDTSSTNTLNFNGAHRKRKTLVAPEINISLDHSEGSLLFDDFLDLDLDINVDDIETPDETDLSLEFLGNGNEL EWEDDTPVATAKNMP
16128	46496	A	16223	8084	8251	TAGDERHGPSRVRMFRIKGRRLGWMGPLGRGKR*VTRGMWPGKGPAYPGSSASSF
16129	46497	A	16224	645	1317	WGASRLREPPSPRTLHSPRPGP ASAPPLRPLPQNRTSPSAASTT APPQPSEASRLPA*KAKPKPHPP SAPRRGGSPPRHSAPACGRRR PRSVGGAAPYAAERRNSAPQGP PQLRRTAEGGKRPSNPRQRSH PRQRGDSLP*LGPWSRDRRAGR DGRDGSAGGTRRSPSPRYASPE PLGPAAPASPAGASWTGGPGRR ADDSWRASVFGAQSSACFPRA RVL
16130	46498	B	16225	72	378	
16131	46499	A	16226	151	372	GGQHWAKAWRQTLGPEMPER TGACGCGSL*PFTTPPPAICVD GTFHKYVFTPDGNCNREAFDV YLDICDDDDF
16132	46500	A	16227	182	1083	HPGPCPDHEQVGSMLVEDPV SPGLPLTLNLGPDNPPTCPAVLI WDDAREGKD*EG*SSLGIPPPP HGHPVLC DTHRIVIVLKNRQLC PF*DAASSSAHPTPHLHTLGL CELPCGLLAPSLHTTPTSDSLL PQDLASTKPGTSSAPFTINAHQS DIACVSLNQPGTVVASASQKGT LIRRVCMVGW*PHTT*HVGITA DLSSINFSDSSFLFPTLPCPCP PAHLPYLGLASAAACRLARVGK VGPMIGQYVDSQWSLASFTEM PERTGACGCGSL*PFTTPPPPAI CVDGTFHKYVF
16133	46501	A	16228	202	517	GVHCHGFSAGQAAGOEPTSVH ETLLPHQLQDOSALRGGVQNR QRHQAAEGPGERAGAAVSUGL GEPQCH*VGAGRAARGPPILEV PAGGADAAAECPAGPHGCCG

SEQ ID NO:	SEQ ID NO: of peptide sequence	Met hod	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16134	46502	A	16229	141	633	WENARPEPSQGDRLAASVVSPPR LPPRKGQGGGLGYFGRGAGHAH GTAGQGASESETLLPHQLQDQC ALRGGVQNRQRHQAAEGPGER AGAAVS VGLGEPQCH*VGAGR AARGPPILEVPAGGGDAAAEC AGPHGQNARGQQSGISQLRHE REFLLRPPFPQAPQL
16135	46503	A	16230	65	466	VVFAEAAEASLMTSGVGGGAA QSPRSRRGGWWPLGEMPYANQ PTVRITELTDENVKFIIENTDLA* GYRGKRLAALGRGRPKPGPRG RGRGCSGWGGGDVLPPELPCT RALALGACGAGPACRGCSAFT LGF
16136	46504	A	16231	42	491	SGGKEAQQQSGTDQTVVLSN PTYYSNDIPYTFHQDNNFLYL CGFQEPDSILVLQSLPGKQLPSH KAILFVPRRDPRELWDGPRSG TDGAIALTGVD EAYTLEEFQHL LPKMKGNKWEQKSHYKPDWD *NLSCLFRQVLNFVIVAPP
16137	46505	A	16232	531	976	NQSIVRVNVDNLSIPVIAELG VRKPSEKGMQKKKTKDLGFR AGKESKTEWRK*GLQDMASQ MFASPLK*PVTA AFHDSSMPSS LLQIFMEQLFLEARLQLDSKSE ARRNQCD SMLLRNQQLCSTCQ EMKMVQPRTMKIPDDPKAS
16138	46506	A	16233	2	419	SFLLSSSYTRTKSILRWPSLKKR ESGFPLNSSNSGVRKSC*LSSDP KSGTIVCPRFSNTISPSSSSSSSI CSKTFLAPSFCLPQKAAPNLAR SWGLPGSRTARLSQGPDRGPRG VCRLGSGAAEPSQRRGKPSRDE IV
16139	46507	A	16234	27	792	INSIRILSTCKMGHPRFAPQAPG PLRTSEKGPVLPWAGNSSSDH SSEPSVGIFYFNEDSDGSHPV LQ MRACSPDPAQGARPSAEAPGQP *HSASRGSDPKVASEWRLPHAE ASPQLPGFSGAASPAPHKSCSSF SCLPQKAAPNLARSWGLPGSRT ARLSQGPDRGPRGVCRLGSGA AEPSQRRGKPSRGTHRPEPRAG GRLSPAERSPETEHAQCGRRG LRND*TSPVLRGAQKEVGRRD CRGSSAILRAGEL



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16140	46508	A	16235	343	969	YDKTRLFNTVPLPPPHKKIHKII QDIKGEILRAFPLRTGTHRCPL SPLLFNILLEVLARAIRQEKEIKS IQIGKEEVKLSLFADDIIIYLESP KYSSRKLQELIKEFSKVSRYEIN VHKSVALLYTNSNQAENQIKKS TPFTIAAKNKIKYLGILYLTDAK DGYKENYKTLMEIIDDKNKQ KYIP*SWKGRINIVKTTILSTAIY
16141	46509	A	16236	15	403	ICESRRGRVCSALVRRYVGEFG GKAGSICMPQAPDKSSRWTLI RPPRFPPS\PSCSPGKEAPGGSEL /SPLPHAWPSDPVSPLGDRVTA NPAEIR*EPGPQSAAPGFREQRR RGQMG*IWYLTPTPPGGQ
16142	46510	A	16237	19	454	KGKSLCTSPKVCRGRLRKSRL PETKVTHICMPQAPDKTSRWTL LIRPPRFPPS\PSCSPGKEAPGG EL/SPLPHAWPSDPVSPLGDRVT ANPAEIR*EPGPQSAAPGFREQR RRGQMG*IWYLTPTPPGGQRPS SAASPRGFPLV
16143	46511	A	16238	276	898	MKGTAPWRCGSRGRVCSALV PKVCRGRLRKSRLPETKVTHIC MPQAPDKTSRWTLIRPPRFPPS SILQSWEGGTGWLRTLPLPHA WPSDPVSPLGDRVTANPAEIRIL GEDPESPEETLNLILRTPIPPKPR GNAKSHPGGHRSHR*EPGPQS AAPGFREQRRRGQMG*IWYLT PTPPGGQRPSAASPRGFPPTNN SSRLPAEPE
16144	46512	B	16239	177	284	
16145	46513	A	16240	253	416	CCPVLPGPWAAGHPGD*PDGP G**AQPHKECRGGFAPLQVTLG PKQPSGKRVNK
16146	46514	A	16241	1401	2246	NIYLLQVFDCWGLQGILGVSN PSYSIRRCYTAGQSPRGLPDPGR F*G*EESTGEQADCP*GSHRRSR SAAGAADGGLDPGAHTITCGC LSHRGRLVPAQKSSAAL*APSG AKPAPTVAPVHDPARQG*GGQ ARGQGARQPHSHREGLCEC*A VTTL*EPHLRNSSAPA*ERGPQG IRVPEGQSGDQESSAEHHGGD PGGGKPRCGQHQEPLGAGWPS PAGVEPLLGLQKGS DGAP**E PQRGCVDEAQQSSPGAVPEAK AIAVQPPAPDVFAAVARCD

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16147	46515	A	16242	30	461	IPAETTC/EPAKHFCFTDGSSN GKASYSGSKGKVFQTPYISAQK VELVAVIEVLTAFDMPINVISDS SYMVHSTQLIENAQLRFHTDEQ LIIKTKKGGNRDYGTAQTQLNL ALLTFHFSSLPKGQMLPAAEQH LQKPAAKTQAE
16148	46516	A	16243	1	573	
16149	46517	A	16244	1	1689	
16150	46518	A	16245	1	1416	
16151	46519	A	16246	27	779	KNHFNWKDKFPRLRISFLMVA TVKPPEPTPLKRLTEKPIWIEKW PLSK*KLEALEKLVTQELENH APTFSPWNSPVFIKKKSGKWR MLTDLIAINSVIQPMGALQPPGL PSPAHPKNWPLIVTDLKDCFTI TLAKQDCEWFTFIIPAVNNLQP AKHFCFTDGSSNGKASYSGSK VKVFQTPYTSALTAEVAVIEV LTAFNMSINMISDSSYVVHSTQ LVENAQLQFQTDDTNDFIYPVA NSS
16152	46520	A	16247	2	394	
16153	46521	A	16248	63	1123	ELDVMGLPEERVRSRSGSRGQE EAGAGGRARSWSPPPEVRLVSL LRLNMSQKINDIWASISVAEFW GDIAKEFYWKTPCPGFLRYNF DVTGKGFIEWMKGATL*LCLF LVWGRSYTPNHWFLLVCLREG NEPGGQLDGREQVAARRVHGS YSVLLPAGIQKGDRVAILSNPFL HSLNPWGFLSLRLSSLP*GPM DIVPTRQHGAY*GLECLLLPKD MDMGGSCQVPFEPTLPL*AFL FSRGFPVRCCIVVKHLALTSSH SLYTWTLQGQGTGVSCPHLELF TVLPCPSLQISWNQGIDLWWHE LMQEAGDECEPLPSLHLVVSRG GHKTLTCSPPFPQGVVHTVGGY
16154	46522	A	16249	35	219	ALGVHFVLGPVGDGSRVDCG QQL\PTSSACTTSGLSISRRCSGI WRMNQKKQVRGSPSKE

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16155	46523	A	16250	1934	3213	WPAPPSQVPSLDYGLALWFDA YVSVHGTQETSQCSPSSLTPPR LCGLRILQPYAERIPVVATAGIT INFTLRGYAWPNGALPASTVPC GFAACPGEF LCSVNGRQAPAGS SGFLPPVPSLCPHTVCRATFQCK EDSTCISLGRFPWGSETHLLCPA PIPSVPGVPCGTFQCEDRSCV KSLASPLPLLLCPPHLLPSPD CGLQGPSSRIVGGAVSSEGEWP WQASLQVRGRHILGRGSFLPPH LTPPHTPPHPSMASTVLWTVF LGK V W Q N S R W P G E V S F K V S R L LLHPYHEEDSHDYDVALQLD HPVVRSAAVRPVCLPARGRIEN RGSRLLRSHFCP*PRTGPISNAL QKVDVQLIPQDLCSEVYRSSPG KGGALTLLQSFLSPFQGDSSG PLVCKALSGRWFLAGLVSWGL
16156	46524	A	16251	511	853	CCWNMALIQTFQMSMEIPLCTT LS*TALHLASANGNSGVVKKLL DRRCQLNVLDNKKRTALTKAV QCQEDECALMLLEHGTDPNIPD EYGNTTLHYAIYNEDKLMKA LLLYGADIESKNKVEEEMKKH ESNNVGLLENLSNGVTAGNGD DGLIPQRKSRTPENQQFPDNESE EYHSHTFLPSRIYP
16157	46525	A	16252	1050	1350	CDPQMCCCFRPEAATPG*REAA SAGPWDSAPPSPARTSLPSAHSS DYPLPRSRSSSASAASRSPRPL STIARRLNPRRSGRSLPSGQPAG PSDPRGFCL

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16158	46526	A	16253	2	3486	SSQSGAAAGAFCGLCVDLELTA SCDLEADSEDRTEHLATLQLRP DFSGSRCPAPQKHLQTHRPHSK PWPIY*PT*RSYLAISPHSW*AP\ PPSRRRAPPAFHPHTQACPSTCY CHTLASRRGPSNGRYHRPGYPH PTAVQRDPPAGPRGCQSPC*HQ PPACRRPCGRHYR*HGQHDPPP WQ*HC*SRSPCHPPSQRDAVTW PFIHIPAED/SHTQPQKSP\PAFRP HTKTCPFTCYCHTFAGRRGPSD GRHHHLGYHHPSAVQWDPPAC *RGCWRPCQREPQTCPFCGR/P PPGTSLA*PPHPRVPLKEKLCQY DEFSEGLRHSALNRHQRVPTG EKSVKSLERGRGVRQNTHIRNH PRAPVGDMPYRCDVCGKGFRY KSVLLIHQGVHTGRRPYKCEEC GKAFGRSSNLLVHQRVHTGEK PYKCSECGKGFSSYSSVLQVHQR LHTGEKPYTCSECGKGFCAKSA LHKHQHIHPGEKPYSCGECGKG FSCSSHLSSHQKTHTERPYQC DKCGKGFSSHNSYLQAHQRVH MGQHLYKCNVCGKSFSYSSGL LMHQRLHTGEKPYKCECGKSF GRSSDLHIHQRVHTGEKPYKCS ECGKGFRNSDLHSHQRVHTG ERPVCDVCGKGFIYSSDLLIH QRVHTGEKPYKCAECGKGFSY SSGLLIHQRVHTGEKPYRCQEC GKGFRCTSSLHKHQRVHTGKK
16159	46527	A	16254	333	695	ISVFRSPGQSTSQHDAATWPFL HISGEGPTPSRRKAPPAFHPHTQ ACPSTCYCHTLASRRGPCNGRY HRPVYPHTAMQRDPPAGPRG CQSPCWHYTPACRHPGRHYR *HGQHDPPPWQ*HC*FGSPGQS TSQHDAVTWPFLHIPGERPTAS RRKAPPAFHPHTQACPSACYCH TLASRRGPSNGRYHRPGYPHT AVQRDPPAGPRGCQSPC*HEPP ACRHPGRHYR*HGQHDPPPW Q
16160	46528	A	16255	9	437	SCNMSLCRCNCIRAAFKEGTP ALLVYSAILSFTPVSLAKSCSISI AIVSNILSWLDPFKRGVVSELSR LPSRVLL*L*LVHSLKETSFRS SFSSCRACFLRSSQ/STAGPCR HLCRPTSAGIGEQRRCRPESH EIVDRGI

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16161	46529	A	16256	619	1138	SCNMSLCRCNVCIRAAFKEGTP ALLVYSAILSFTPVS*DPEAFSP HLPSNCWSLPPSLSSNVSRDRG AEAMQAGKSPWCVFPP*EPGPT GCEPPRTLPPAPFKLCSL
16162	46530	A	16257	408	801	SQRRGVCRLVHGRHGQPGKG TSPHSSLWDWQPGPQPSGPPWP EGGASPGTPSLIPRS*SASCCFP WHPGCSC*GAPASQC*VALSPQ PWFPLPCLSVPSVGAQATGPK HVRTPPGSDSAPPQLQPQSRI
16163	46531	A	16258	1	199	
16164	46532	A	16259	665	1006	IGSPDGRNVIRERTVTNETQTEG EREKEEERESFHTGDVLKVGDL GPQGSSREFQLLSNLTVPNFIDI QFPK*VSAAC*DGPSHTHSSYIS SSLFIIRASQSSPGDFSISVRY
16165	46533	A	16260	247	404	
16166	46534	B	16261	258	934	
16167	46535	A	16262	519	924	NRTIQADLLYPDDAGNPLPARN TRQASASADPPGARAGERRRG AAGPSPGR*QQAPGPPPPGEGA GARPG*EGDAAGGATRFVGED ARLLRAGCHRGGRGEAEELQ ALRHPLQLQLL*EGAPHGELAL VAFHL
16168	46536	A	16263	121	214	
16169	46537	A	16264	139	272	
16170	46538	B	16265	1	1962	
16171	46539	A	16266	2373	2554	SATPWLPTGLAAPTGLAAPGT RSPPGQT*PERSPAASPKRPERP ALDFQPPRQPPPPPP
16172	46540	A	16267	919	1653	WNCFVCSADTMAQIMAEQEVE NLSGLSTNPEKDIFVRENGTT RRPLQPPPRGRAS*GGAGRLCS QLITEQADIALTRGAEVKGRCG WRPLGLRTQTLRGLKRTSPAQ QESHNMSKGPEATCQLSGTLG* EQ*GF*LLLWALAVAGKHTAN SHHLSALVTPAGKSYECQAQQ TISLASSDPQKTVFCRTYDSGCF DQSSLLFFFPIAEHKCPVDEREQ LEETLPLILGLILGLVIMVTLAIY
16173	46541	A	16268	2	321	PAWPPWPGITGFCPQQDPSNT FVVPAAHTV*CSHPCSYYKGIR QMVGLPQPLFHPDCPVTPQAHT DSLNTLGVLGGPPVCSDATLPQ IINALEEDPAAQKMQLAF
16174	46542	A	16269	120	327	
16175	46543	A	16270	540	791	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16176	46544	A	16271	1688	1945	DRVSLLPRLRQENRLNPGGRGC SELRSHHCTPAWATE*GSVSKK KKKKKNQKKNQDFISLALPPS PHCPPLSQSLLLQPSSAN
16177	46545	A	16272	3	343	DIHHVRKSMEVNFLSYVVLTV AALPMLKQSNGSIVVSSLAET AMKAVSGIVHMQAAPKEECAL EIIKGGALRQEEVYYDSSLWTT LALIRNPCRKILEFLYSTSYNMD RFINK
16178	46546	B	16273	48	407	
16179	46547	A	16274	35	646	DLTGFIKFSLLLGLFMAYYYYYS ANEEFRPGKYPCVSFWRNRFK KHRGA*VAYHLAKMGAHVVV TARSKETLQKVRVLCSEQCVPS HAQMCSYI*DMTFAEQFVAQA GKLMGEAVSLTSSSELCPWGH QELLDIHHVRKSMEVNFLSYVV LTVAALPMLKQSNGSIVVSSSL AGKWDRDICGR*KKKKNARDD AVQTPGSKSAI
16180	46548	A	16275	221	393	LLYPANCVYMRCPQMLHFQGI QRPILL/HVSSGGAIHLQTGVET EEMRSAIAPDPIPLT

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16181	46549	A	16276	2025	4146	SDEWHSAGSVSGDYNSSAAVS KNDILLGIEHISVFSETNHSSEEA FIKTAKSQLVEIEPATQNPKTSF SYERLQALQETCKENKGVPKQ GDTFLSFSAACETDVSSVTPEK EFEETSATGSSMQSGSELLLKE REILTAKQKPSSDSEFSASLAGS GKSVAKTGPESNQCLPHHEEQ AYAQTQSSLFYSPSSPMSSDDE SEIEDEDLKVELQRLRFRHIQEV VNLQTQONKELQELYERLRSIK DSKTQSTEIPLPPASPRRPRSFKS KLRSRPQSLTHVDNGIVVIDPLC VESNAASCQQSPASKKGMFTD DLHKLVDWTKAEVGNLSIKP SLNQLKQSQHKLETENWNKVL QLESVYHREDEATWLPQLRAQI VAYPACAAAIAAHRRSMGVQ GFQEFLEKRCPGAVVPVDLLKL ARTVSRQQQQHLHRQLPPTA ALAPGAPRAARGSVPLQPPLPP AALGAYSGGAGPIRHHHPAHH FHHHGQAQPGHPPLPPPPPQ LPGARVLVDAGSALPRLYGGY QTDWVCGGQWNAMLGYSAL CQACAYPGGDGLELVVMFPGG LGKDRLAEWGRRCAERQTAQ LIVGHVGNKGTTPPRAWFLPPA CLSHCVRLALIRFRF*VFQSLED HHLEVVAFFRENGFHGLLAHD SEYALYNIPSYSSHALKLSWN GKNLTNQFLMQEVAKQLGLK
16182	46550	A	16277	1	542	MRAPPKSGQLQHCPRSRGALRS GDLPWEINPLSSCSLLHEKDPP MTSGPQTNQKEHLTNFKSGV RP/LQGRLPWSFTLSGKSRSFGE GASTPTPYIS/GAPIPYFRTPTSY LCAPIPYVRTPTSYLCALTPFPL FWRHIRTSKRLN/LQQPGIPPEPP PPG/CLLQVPEI*PPGQGMCAAQ
16183	46551	A	16278	3	351	VRPRRDACLGPSPLAASPAFLG KGQVPQPLISLCPDPLFHPNLS LRPNPLCPHPDL/GISVP*PLSRF SGGT*ELPNA*TAAA/AAF/LPEP PPG/CLLQVPEI*PPGQGMCAA QDSS
16184	46552	A	16279	1	513	
16185	46553	A	16280	774	1007	ARSVTSSSELCSWCLQASRHT HVPWCQL*KLPVVHLVQPQPC RGPAPGAALPAGSLEMPGTTEP ERGCHSPGLGIS

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16186	46554	A	16281	507	520	LLGLAAED*CCLIASEAP*TQS LFGGLFTRTHMKFGAVTQIRGP PLGDKSPVLLLFALEQRHVL SMDPKLRCWSRTGKAAPWCL IIAEMPDISPTFQRCQTTQGRLP WSFTLSSKSRFSGEGARACYKC QKSDHQAKECPQPGIPKPCPIC AGPHWKSDCSTHLAATPRAPG TLAQGLTDSFLA
16187	46555	A	16282	269	607	RARSEGAGLWSVVAPSAVSVFF VSDPRCAPFHRSPCCSPVDRV CRCLRRVALAPAAVLVCSGSH SQSPWNSGLKLSDRLLLGLAAE D*RCPIASEAP*TTTDAELTIPGL
16188	46556	C	16283	1	1752	
16189	46557	B	16284	146	372	
16190	46558	A	16285	336	753	ARTPLAAASRGSGGTRGGAAW VAGDDLGRGPAPGPAEPGARRR RGKGTTPSSRPRTQRRPRSAAMH GHRCQPARRSREHPNTYPAGR RPPELRRGRSGVPPRP*RRPGE APRAPRPAAEL*ARLPRPSVRP APARRV
16191	46559	A	16286	1	768	FDELREEGFRQSVITNFSELKKD V*THRKEAKNLEKKLDEWLTR INSVEETLNDPMELKTMAQELR DACTT*FREKRVKRNEQSLQEI WDYVKRPNLRLIGVPESDGEN GTKLENTLLDMIQENFPKLARQ ANIQIQEIQQIPQRYSSRRATPR HIIVRFTKVEMKEKMLRAAREK GWVTHKGKPIRLTADLSAETLQ ARREWGPINILKEKNFQPRISY PAKLSFISEGEIKYLTDKQMLR DFVTTRPALKEL
16192	46560	A	16287	345	894	EQRHNIPELGLHI*STSAGDTPA DRVWSGPPANSSRPAAEGPDC* KEN*QRARTS\NQNPICSPSSK TKEAKNLEKRLDEWLTRINSIE NTLKDLMEKTRARELRDAGR SFSSQFDQVEERVSVIDQMNE MKKEEFREKRVKRNEQSLQEI WDSVKRPNLHLIGVPESDGENG IKLENTL
16193	46561	A	16288	1	1206	



SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16194	46562	A	16289	1	882	MAPVSASEDFWQCPETSLISQL ESAPGIQLMEARDADKSLIMHE IAPTSNRELPVHKISIAKPCSMML MISWFFVNTGQSFRKDQAAIF AVLQPLLVIHRQTGSGVDLQQT PTDLQLRDLTVRRKNNKQKGI ASTSRKRTSTPKPHLQDHSSSPA MEQSWMQKDFDKLAEVGFRR SVITNFSELKEDVQTHHKEAKN LEKRLDEWLTRINSVENTLNDL MELKTMAQELHDACTSFSRQF DQVEERSVIEDKISEIKQEEKF REKRVK\RNEQSLQTIWDYVVR PNLHLIGVS
16195	46563	A	16290	1	1008	MVRFDELGGRYGGPGGGERA RGGGAGGAGGPGPGGLQPGQR VLYKQSIAQRARTMALYNPIPV KQNCFTVNRSLFVFSEDNVVRK YAKRITEWPPFEYMILATHANC IVLALEQHLPDGDKTPMSERLD DTEPYFIGIFCFEAGIKIHALGFV FHKGSYLNRGNWVMDFFVVL TGRKAGLGCCGSGVESGGWGD RSSPAMEQSRMENDFDELTEV GFRKSVITNFSELKEDVRTHRK EAKNLEKRLDEWLTRMNSVEK TLNDLMELKTMARELDRDACT FSSQFDQVQEMSVIQDQISEM KREEKFREKRVKRNE/QSLQ*I WDYVERPNLRL
16196	46564	B	16291	1	1257	
16197	46565	A	16292	3	467	KTPFVG YQHQRPKVDKTTKMG RNQSRKAENSKNQSTSSPPKDP GSLPATEQSWTENDFDELTEVG FRRSAITNFSELKEHVLTRRKEA KNLEKRLDEWLTRINSVEKTLN DLMELKTMAQELRDARTSFNS *FNQVEKRISVIEDQIDEIK*EDK
16198	46566	C	16293	115	498	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16199	46567	A	16294	2	1455	TERDSININKKDIYTKTQSVGRQ HQRPKVDKTTKMGRNQNRKA ENSKNQSASSPPKDCSSSPAME QSWMENNFDELTEIGFRRSVIT NFSELKEDVQTHCKEAKNLEK K\LDEWLTRINSIEKNLNDLMEL KTMAQELRDACTSFSSQFDQVE ERVSVIEDQMNMKQEEKFRE K\RVKRNEQSLQEIWDCVKRPN LHLGIPESDGENGTCLDNTLQ DII*ENFPHLAR*ANIQIEIQEIQ RTPQRYSPRRATPRHIIVRFTKV DMKEKMLRAVREKGFKPTKIR RDKEGHYIMVKGSIQEEELTIL NIYAPNTGGPRFIKQVLSDLQR DLDSHTIIMGDFNTPLSTLDRS MRQKINKDIQELNSALHQVDLI DIYRTLQPKSTEYTFFSAPHRTY SKIDHVVGSKTLLSKCKRPETT TNCLSNRSAIKLELRIKKLTQNR SAAWKLNNLLNDYWVHNEM KAEIKMFFETR TKIQHARISGIL
16200	46568	A	16295	395	656	FQLQRPASCSSPIQHRKHIPRKP A\SQSSLPHTGKSARQPQEPQNR ENCLLRILIRVASEATRRWTRPS EFSSRSENPRAHHPRRALR
16201	46569	A	16296	671	1126	RRKVSELEHRRPVWKCPRRPPE VRKPESARVSFSPRGGARSRP GATRSPQPRVPAAASASFGFGG LGRGGRGERARRGRGPKLEGP ESSAVLA*RNFPSPRRRRPGR GVEIARLGGTGSSPRPCPKPDPT ASLSELMIPSDIPRRRN
16202	46570	A	16297	2571	2716	THGMLEKRCCLQENMPIPGKD FMTKTLKAIATKVKIGK*DLIKS FCT
16203	46571	B	16298	54	576	
16204	46572	A	16299	475	719	VTWIRNNACFTLNWFYHERS HIWILKSTLQCGQIIIGNDVESR HK\CPKPS*LVGSVELEIADNVL PQKFPAAKTIFALYF
16205	46573	A	16300	395	830	LSPCHNSFFFFQAFDDIAKYFS KKEWEKMK*ATVPGPSLPLKK *TFCFLGFKVTLPPFMRSVSLE FGNLYQQRKILM*L*STVEMSLI LFICDLHIVKIMPKKPAEEENGL KEVPEASGPQNDGKQLCPPGNP STLEKINKTS
16206	46574	B	16301	54	576	

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence ( X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16207	46575	A	16302	475	719	VTWIRNNNACFTLNWFYHERS HIWILKSTLQCGQIIIGNDVESR HK\CPKPS*LVGSVELEIADNVL PQKFPAAKTIFALYF
16208	46576	A	16303	393	822	LSPCHNSFFFFFQAFDDIAKYFS KKEWEKMKSATVPGPSLPLKK *TFCSTLGFVKVTLPPFMRNSLSLE FGNLYQQRKILMYF*STVEMSL ILFICDLHIVKIMPKKPAEEENG LKEVPEASGPQNDGKQLCPPGN PSTLEKINK
16209	46577	A	16304	1	447	
16210	46578	A	16305	75	565	LLFSGFSL LHGYLPHWYLCHLP RSRSLGLRDKRWKVKGDTDFL SPSHPEYLLKEENDGHLCSLSFR MGNQFSSPLPAYTPLECILNHW DGFYP*NLEEKHLIALRTKGWP NYDLQEGLSWPQEGTIHFNTT WQLELFCRHEDRWSEATYMQ AFYILQGNRDLG
16211	46579	A	16306	1	1620	
16212	46580	A	16307	128	223	
16213	46581	A	16308	1	1578	
16214	46582	B	16309	592	883	
16215	46583	A	16310	1	344	MHQTTAKTPHTSYPNNYEEHN RRANRSKNYDRIRHTTIILKRTN PAQTITNLLKSFRNRYNYVQPR SCRSIFIHIPGERDLNLCIAPNPP AIFPTSIGYLGPDNLNLPTYAPFI TTNLTGPAPTTTHPVGNLGTG NPEPGCGILIVWCCVNWACL WDSVVAAPREPYMPAGLLRHR RHYRHRREDLIAVPAARQTDE NRRPALCHEYAVGHRKIKTNV EHTEPYILPLITHSQPLNRGAFF CPGVRFLVVSVDLFEKRLAFAS *SCGVQLRIRGKVQGVGRPFV WQLAQQLNLHGDVCNDGDGV EVRLAYRVLVGQPQHYPRGRP
16216	46584	A	16311	84	237	DGIVLSTYYHFYWHHF*ILEGP LPANTGDLCLPLQVQPDREQVR WALFKK

SEQ ID NO:	SEQ ID NO: of peptide sequence	Method	SEQ ID NO: in USSN 09/540,217	Nucleotide location of first codon for peptide sequence	Nucleotide location of last codon for last amino acid of peptide sequence	Amino acid sequence (X=Unknown, *=Stop codon, /=possible nucleotide deletion, \=possible nucleotide insertion)
16217	46585	A	16312	2887	3537	HLDRSGLFNIQVIPVCRKLGKE GNDEKQCVTTSRSNAFFLLHF FLLATFTWMGLEAIHMYIALVK VFNTYIRRYILKFCIIIGWGKPLK IFLVLFFPHENCQVYGKESYGK EKGDEL*VIKTCDE*ISFVS*SG VMFFLNIA MFIVVMVQICGRNG KRSNRTLREEVLRNLRSVVSLT FLLGMTWGF AFFAWGPLNIPF MYLFSIFNSLQGKINCT
16218	46586	A	16313	302	547	QIGLWTPNFRARTFCVWTGGL VLCF*GFCFQEAAGARDTSSFA MGVSPWEFRHG*LWPEMRSM QILELLVLEEFLTITGQ
16219	46587	A	16314	1	1174	WEEKENKEYLKSLEILMGMK QNIPLDGHEADEIPEGLFTPDNF QALLECRINS GEEVLRKR FETT AVNTLFCSTQQRQM LEICESC IREETLREVRD SHFFSIITDDVV DIAGEEHL PVLVR FVDESHNLR EEFIGFLPYEADAEILAVKFHTM ITEKWGLNMEYCRGQAYIVSS GFSSKMKVVASRLEKYPQAIY TLCSSCALNMWLAKSVPMGV SVALGTIEEVCSFFHRSPQLLE LDNVISVLFQNSKERGKELKEIC HSQWTGRHDAFEILVELLQALV LCLDGINS D TNIRWNNYIAGRA FVLCSAVSDFD FIVTIVVLKNV LSFTRAFGKNLQGQTS DVFFAA GSLTAVLHSLNEVMENIEVYHE FWFEEATNLAHQ T
16220	46588	A	16315	717	902	GALQSWPCYLPRQC GATVQNF CGVPTCMRKSTWSNLVVRFP QDPSRCAN**LDCCTACTQ
16221	46589	A	16316	1	374	EHSEPPIGVQIVDYLLRQEKVT DRMDHSKVETETVLSFVDDIIS GAKSPCAMPSQVPDK/QAQEIA DKIYNLFNGYTS GKEQQTAYN TLLDLGSPTLHRVLYHYNQHY ESFGFTWRCEDELGPR
16222	46590	A	16317	2	1293	